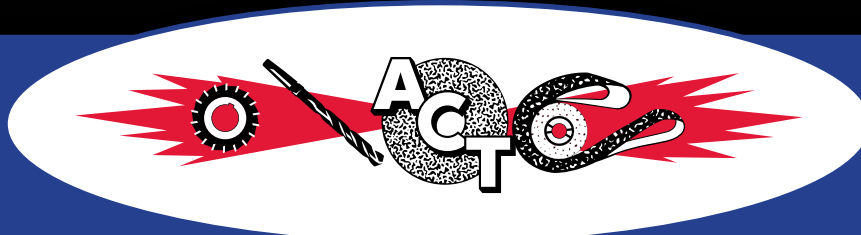


CELEBRATING  
**50**  
YEARS  
1961-2011



Valid from  
Oct. 1, 2013 to  
Mar. 31, 2014

Prices Subject to Change Without  
Notice & Stock Availability.

**FALL-WINTER 2013-2014**

**Easily Expands to Serve the Needs  
of Large CNC Environments**

**Securely Manages Your  
External Inventory**

Inventory Management Made Simple

**ToolCrib**



**See the back cover for more information!**

**Ideal for Both  
Fab & Job Shops**



**SERVING WESTERN CANADA FOR OVER 50 YEARS**  
100% CANADIAN OWNED



# Introducing 3 POWERFUL New Mag Drills to the A.C.T. Lineup!

## HM40/1



Save over  
**\$175.00**

**\$1,247.80**

- Powerful 1100 watt motor delivering 40mm cutting capacity
- Easily adapts to a 13mm chuck for use on twist drill applications
- External coolant system for extended tool life
- **WEIGHS LESS THAN 28 LBS!**

## MB2



Save over  
**\$255.00**

**\$1,817.57**

- Heavy duty 1300 watt motor
- 2 speed gear box
- Compact design
- Excellent weight-to-power ratio
- 1 piece slide and gear box
- Simple gib backlash adjustment
- Maintenance friendly design
- 153mm stroke - ideal for twist drills
- **WEIGHS LESS THAN 37 LBS!**

## HM100/1



**UNMATCHED  
WEIGHT  
TO  
CUTTING  
CAPACITY  
RATIO!**

Save over  
**\$319.00**

**\$2,273.40**

- Heavy duty 1800 watt motor enables larger cutting capacity
- Weighs only 44lbs with a 100mm cutter capacity for unrivalled weight-to-cutting-capacity ratio
- 4-speed gear box is ideal for a wide selection of cutting operations
- 250mm total drill travel - Facility to use 150mm (6") long cutters
- Maintenance friendly twin slide rails
- No wearing parts and adjustment-free operation
- **ONLY WEIGHS 44 LBS!**

| Model No.         | MAGBEAST HM 40 (HM40/1)       |
|-------------------|-------------------------------|
| A.C.T. No.        | 278105                        |
| Price \$          | <b>1,247.80</b>               |
| RPM               | 440                           |
| Motor             | 1100 Watts                    |
| Weight            | <b>27.9 lbs (12.7 kg)</b>     |
| Magnetic Strength | 2345 lbs/1066 kg              |
| Cutter Cap.       | Ø 1.6" (40mm)                 |
| Twist Drill Cap.  | 13mm with optional attachment |
| Depth of Cut      | 2" depth of cut               |
| Vertical Travel   | 4.75" (120 mm)                |

| Model No.         | MAGBEAST 2 (MB2)          |
|-------------------|---------------------------|
| A.C.T. No.        | 278106                    |
| Price \$          | <b>1,817.57</b>           |
| RPM               | 2 Fixed Speeds - 200/400  |
| Motor             | 1300 Watts                |
| Weight            | <b>36.4 lbs (16.5 kg)</b> |
| Magnetic Strength | 2657 lbs/1205 kg          |
| Cutter Cap.       | Ø 2" (51mm)               |
| Twist Drill Cap.  | 23mm                      |
| Depth of Cut      | 2" depth of cut           |
| Vertical Travel   | 6" (153 mm)               |

| Model No.         | HM100/1                                        |
|-------------------|------------------------------------------------|
| A.C.T. No.        | 278107                                         |
| Price \$          | <b>2,273.40</b>                                |
| RPM               | 4 Fixed Speeds - 110, 175, 245, 385            |
| Motor             | 1800 Watts                                     |
| Weight            | <b>44 lbs (20 kg)</b>                          |
| Magnetic Strength | 4519 lbs/2050 kg                               |
| Cutter Cap.       | Ø 3.9" (100mm)                                 |
| Twist Drill Cap.  | 19mm with 3MT chuck, 32mm with 3MT twist drill |
| Depth of Cut      | 6" depth of cut                                |
| Vertical Travel   | 9.8" (250 mm)                                  |

## Annular Cutters - M42 HSCO



### 1" Length of Cut

| Diameter | Applicable Pilot No. | M42 Cutter A.C.T. No. | Price \$ |
|----------|----------------------|-----------------------|----------|
| 7/16     | 244668               | 86279                 | 40.62    |
| 1/2      | 86338                | 86280                 | 40.62    |
| 9/16     | 86338                | 86281                 | 44.04    |
| 5/8      | 86338                | 86282                 | 45.80    |
| 11/16    | 86338                | 86283                 | 49.19    |
| 3/4      | 86338                | 86284                 | 50.39    |
| 13/16    | 86338                | 86285                 | 56.11    |
| 7/8      | 86338                | 86286                 | 58.36    |
| 15/16    | 86338                | 86287                 | 62.99    |
| 1        | 86338                | 86288                 | 64.61    |
| 1.1/16   | 86338                | 86289                 | 68.17    |
| 1.1/8    | 86338                | 86290                 | 74.53    |
| 1.3/16   | 86338                | 86291                 | 76.78    |
| 1.1/4    | 86338                | 86292                 | 89.38    |
| 1.5/16   | 86338                | 86293                 | 94.00    |
| 1.3/8    | 86338                | 86294                 | 122.66   |
| 1.7/16   | 86338                | 86295                 | 132.15   |
| 1.1/2    | 86338                | 86296                 | 137.76   |
| 1.9/16   | 86338                | 86297                 | 143.26   |
| 1.5/8    | 86338                | 86298                 | 149.79   |
| 1.11/16  | 86338                | 86299                 | 157.06   |
| 1.3/4    | 86338                | 86300                 | 177.67   |
| 1.13/16  | 86338                | 86301                 | 182.79   |
| 1.7/8    | 86338                | 86302                 | 193.37   |
| 1.15/16  | 86338                | 86303                 | 204.03   |
| 2        | 86338                | 86304                 | 224.53   |
| 2.1/16   | 86338                | 86305                 | 258.33   |

### 2" Length of Cut

| Diameter | Applicable Pilot No. | M42 Cutter A.C.T. No. | Price \$ |
|----------|----------------------|-----------------------|----------|
| 7/16     | 86341                | 86306                 | 57.31    |
| 1/2      | 86340                | 86307                 | 57.31    |
| 9/16     | 86340                | 86308                 | 60.98    |
| 5/8      | 86340                | 86309                 | 65.77    |
| 11/16    | 86340                | 86310                 | 72.69    |
| 3/4      | 86340                | 86311                 | 74.53    |
| 13/16    | 86340                | 86312                 | 85.15    |
| 7/8      | 86340                | 86313                 | 87.09    |
| 15/16    | 86340                | 86314                 | 95.66    |
| 1        | 86340                | 86315                 | 95.70    |
| 1.1/16   | 86340                | 86316                 | 103.14   |
| 1.1/8    | 86340                | 86317                 | 112.32   |
| 1.3/16   | 86340                | 86318                 | 116.91   |
| 1.1/4    | 86340                | 86319                 | 128.37   |
| 1.5/16   | 86340                | 86320                 | 134.09   |
| 1.3/8    | 86340                | 86321                 | 145.56   |
| 1.7/16   | 86340                | 86328                 | 155.47   |
| 1.1/2    | 86340                | 86323                 | 160.48   |
| 1.9/16   | 86340                | 86329                 | 184.55   |
| 1.5/8    | 86340                | 86330                 | 191.11   |
| 1.11/16  | 86340                | 86331                 | 202.09   |
| 1.3/4    | 86340                | 86332                 | 230.99   |
| 1.13/16  | 86340                | 86333                 | 239.67   |
| 1.7/8    | 86340                | 86334                 | 264.83   |
| 1.15/16  | 86340                | 86335                 | 272.17   |
| 2        | 86340                | 86336                 | 276.22   |
| 2.1/16   | 86340                | 86337                 | 315.89   |

**POWERBOR®** Premium M42 cutters keep their cutting edge longer than standard M2 HSS – producing more holes between resharpener, reducing the cost per hole and increasing productivity. Due to the cutter design, the load per tooth is greatly reduced and power used by the machine is kept to a minimum, which allows holes to be produced quicker and more efficiently when compared to conventional drills.

**POWERBOR®** annular cutters produce a burr-free hole by cutting only the periphery of the hole creating a solid slug which is ejected when the cutter breaks through and the hole is complete. This reduces the problems experienced by the swarf and chips generated by conventional drilling.



## Annular Cutter Accessories



### Pilots

| Description                   | A.C.T. No. | Price \$ |
|-------------------------------|------------|----------|
| Pilot for 7/16 x 1" Cutters   | 244668     | 8.75     |
| Pilot for 7/16 x 2" Cutters   | 86341      | 16.27    |
| Standard Pilot for 1" Cutters | 86338      | 8.75     |
| Standard Pilot for 2" Cutters | 86340      | 10.69    |



### Arbors

| Shank | A.C.T. No. | Price \$ |
|-------|------------|----------|
| 2 MT  | 87133      | 284.20   |
| 3 MT  | 87134      | 284.20   |
| 4 MT  | 87136      | 341.01   |

## Step Drills

Material: HSS M2 - TiN Coated

| Model No.  | Size Range    | Steps | Increments | A.C.T. No.  | Price \$ |
|------------|---------------|-------|------------|-------------|----------|
| TGDB-10231 | 1/8" - 1/2"   | 13    | 1/32"      | TGDB-10231* | 7.57     |
| TGDB-10232 | 3/16" - 1/2"  | 6     | 1/16"      | TGDB-10232* | 7.81     |
| TGDB-10233 | 1/4" - 3/4"   | 9     | 1/16"      | TGDB-10233* | 13.79    |
| TGDB-10234 | 3/16" - 7/8"  | 12    | 1/16"      | TGDB-10234* | 18.36    |
| TGDB-10235 | 1/4" - 1-3/8" | 10    | 1/8"       | TGDB-10235* | 36.30    |



**TUFF GRADE**

\*Manufacturer Part Number Listed.

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### SASKATOON

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### WINNIPEG

Phone: 204.783.3210  
Toll Free: 1 877.783.3201

**FALL-WINTER 2013-2014**  
**A.C.T. EQUIPMENT SALES LTD.**

### Die Grinders - High Performance - Straight Type

All grinders supplied with 1/4" collet

- High POWER/WEIGHT ratio
- Body is machined from solid aluminum stock
- Highest quality materials used in manufacturing
- High accuracy collet system for extending the life of carbide burrs
- Variable speed regulator for positive speed control
- Rear exhaust (Front exhaust also available)

| Model No. | Free Speed | H.P.  | Length  | Weight   | A.C.T. No. | Price \$ |
|-----------|------------|-------|---------|----------|------------|----------|
| HDG25-3RS | 25,000 RPM | .3 HP | 6.1/16" | .85 lbs  | 117814     | 123.75   |
| HDG22-6RS | 22,000 RPM | .6 HP | 7.1/4"  | 1.25 lbs | 117815     | 153.75   |
| HDG18-9RS | 18,000 RPM | .9 HP | 7.1/4"  | 1.5 lbs  | 117817     | 176.25   |



### Die Grinders - Straight Type

- Built-in air regulator for positive speed control
- Powerful .6 H.P.
- Steel cylinder
- Steel front plate spacer



| Model No.  | Free Speed | Exhaust Type | Length | Weight  | A.C.T. No. | Price \$ |
|------------|------------|--------------|--------|---------|------------|----------|
| HDGE22-6RS | 22,000 RPM | Rear         | 7.1/4" | 1.6 lbs | 139741     | 74.25    |
| HDGE22-6FS | 22,000 RPM | Front        | 6.3/4" | 1.6 lbs | 139739     | 74.25    |

### Die Grinders - Straight Type

- Lightweight construction
- Variable speed regulator
- High quality steel motor cylinder
- Rear exhaust (Front exhaust also available)



| Model No. | Free Speed | H.P.      | Length | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|-----------|--------|---------|------------|----------|
| DG25HS    | 25,000 RPM | .3 H.P.   | 6"     | 0.8 lbs | 128549     | 48.38    |
| DG22HS    | 22,000 RPM | 0.45 H.P. | 6.3/4" | 1.3 lbs | 128548     | 48.38    |

### Die Grinder

- 3 Ball bearing construction for extended tool life
- Built-in air regulator for positive speed control
- Insulated Grip
- Supplied with 1/4" collet - 1/8", 3mm and 6mm collets are also available



| Model No. | Power hp | Speed rpm | Length in. | Weight  | A.C.T. No. | Price \$ |
|-----------|----------|-----------|------------|---------|------------|----------|
| DG22GS    | 0.5      | 22,000    | 6.9        | 1.5 lbs | 149972     | 58.50    |

### Angle Die Grinder

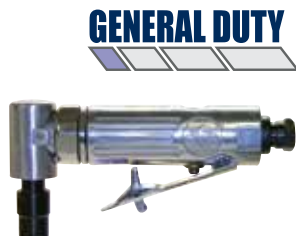
- 115° angle head die grinder
- 5 Ball bearing construction for extended tool life
- Directional rear exhaust
- Flush grease fitting in gear head
- Insulated grip
- Built-in air regulator for positive speed control
- Supplied with 1/4" collet - 1/8", 3mm and 6mm collets are also available



| Model No. | Power hp | Speed rpm | Length in. | Weight  | A.C.T. No. | Price \$ |
|-----------|----------|-----------|------------|---------|------------|----------|
| DGA115    | 0.5      | 18,000    | 7          | 1.5 lbs | 266529     | 115.50   |

### Angle Die Grinder

- Built-in air regulator for positive speed control
- Flush grease fitting in gear head
- High quality steel motor cylinder



| Model No. | Free Speed | H.P. | Length | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|------|--------|---------|------------|----------|
| DG22ARS   | 22,000 RPM | .45" | 6.1/4" | 1.0 lbs | 131888     | 87.75    |

### Extended Die Grinder

- 6 Ball bearing construction for heavy duty applications
- Ideal for sanding, polishing and heavy burr removal in hard-to-reach areas.



| Model No. | Horse Power | Free Speed | Length | Weight  | A.C.T. No. | Price \$ |
|-----------|-------------|------------|--------|---------|------------|----------|
| DG22EGS   | 0.5         | 22,000 RPM | 11"    | 1.8 lbs | 149973     | 89.78    |

## Angle Die Grinder - High Performance

- High POWER/WEIGHT ratio
- Body is machined from solid aluminum stock
- Highest quality materials used in manufacturing
- Rear exhaust (Front exhaust also available)
- Supplied with 1/4" collet



**ELITE**  
SERIES

| Model No.  | Free Speed | H.P.    | Length  | Weight   | A.C.T. No. | Price \$ |
|------------|------------|---------|---------|----------|------------|----------|
| HDG18A-3RS | 18,000 RPM | .3 H.P. | 6.3/16" | 1.05 lbs | 117813     | 174.75   |

## Angle Die Grinders

- 5 Ball bearing construction for extended tool life
- Built-in air regulator for positive speed control
- Directional rear exhaust
- Flush grease fitting in gear head
- Insulated grip

**INDUSTRIAL  
HEAVY DUTY**



| Model No. | Free Speed | H.P.    | Length | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|---------|--------|---------|------------|----------|
| DG22AGS   | 22,000 RPM | .3 H.P. | 7.1/8  | 0.9 lbs | 161251     | 91.50    |
| DG18AGS   | 18,000 RPM | .5 H.P. | 7"     | 1.7 lbs | 149974     | 96.75    |

## Extended Die Grinder - High Performance - Straight Type

- All parts manufactured from the highest quality materials
- Body is machined from solid aluminum alloy stock
- Built-in air regulator for positive speed control
- Exhaust hose available for quiet operation
- High accuracy collet system for extending the life of carbide burrs
- High power-to-weight ratio
- Supplied with 1/4" Erickson collet - 1/8" Erickson collet also available

**ELITE**  
SERIES



| Model No.     | Free Speed | H.P.   | Length  | Weight  | A.C.T. No. | Price \$ |
|---------------|------------|--------|---------|---------|------------|----------|
| HDG22-6RX5SEC | 22,000 RPM | 0.6 HP | 13.1/2" | 2.2 lbs | 244454     | 243.75   |
| HDG25-3RX5SEC | 25,000 RPM | 0.3 HP | 11.1/4" | 1.3 lbs | 244348     | 226.80   |

## Extended Die Grinder - Straight Type

- 5 Ball bearing construction for extended tool life
- Built-in air regulator for positive speed control
- Exhaust hose available for quiet operation
- Flush grease fittings

**INDUSTRIAL  
HEAVY DUTY**



| Model No. | Free Speed | H.P.     | Length  | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|----------|---------|---------|------------|----------|
| DG22EBS   | 22,000 RPM | 0.6 H.P. | 13.3/4" | 2.6 lbs | 131887     | 96.75    |

## Extended Die Grinder - Straight Type

- 5 Ball bearing construction for extended tool life
- Built-in air regulator for positive speed control
- Die cast housing with contoured grip
- Exhaust hose available for quiet operation

**INDUSTRIAL  
HEAVY DUTY**



| Model No. | Free Speed | H.P.     | Length  | Weight | A.C.T. No. | Price \$ |
|-----------|------------|----------|---------|--------|------------|----------|
| DG22EMS   | 22,000 RPM | 0.9 H.P. | 14.1/2" | 2 lbs  | 163738     | 114.00   |

## Extended Die Grinder

- 1.5 H.P.
- Supplied with plug wheel adaptor
- Heavy duty extended die grinder designed for use with plug wheels
- Excellent power output
- Polished body finish

**INDUSTRIAL  
HEAVY DUTY**



| Model No. | Wheel Size | Free Speed | Spindle Thread | Length  | Weight | A.C.T. No. | Price \$ |
|-----------|------------|------------|----------------|---------|--------|------------|----------|
| G216SP    | 2"         | 16,000 RPM | 3/8"-24        | 16.1/2" | 5 lbs  | 106739     | 321.30   |

## Extended Die Grinder - Governed

- Heavy duty extended die grinder designed for use with straight (Type 1) grinding wheels
- 1.5 HP, Governed tool maintains consistent speed and power
- Polished body finish

**INDUSTRIAL  
HEAVY DUTY**



| Model No. | Wheel Size | Free Speed | Spindle Thread | Length  | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|------------|----------------|---------|---------|------------|----------|
| G312S     | 3"         | 12,000 RPM | 3/8"-24        | 16.3/4" | 4.4 lbs | 106740     | 316.02   |

### CALGARY

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Phone: 204.783.3210  
Toll Free: 1 877.783.3201

**FALL-WINTER 2013-2014**  
**A.C.T. EQUIPMENT SALES LTD.**

### 4" & 5" Governed Angle Grinders

- 1.5 H.P.
- Integral throttle lock
- Heavy industrial grade tool
- Anti-vibration dead handle
- Excellent power to weight ratio
- Non friction governor system allows constant grinding performance

**ELITE**  
SERIES



**Available with Roll Type Throttle**

| Model No. | Wheel Size | Free Speed | Spindle Thread | Length   | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|------------|----------------|----------|---------|------------|----------|
| SG414A    | 4"         | 13,600 RPM | 3/8"-24        | 9.11/16" | 2.9 lbs | 100323     | 405.00   |
| SG511A    | 5"         | 12,000 RPM | 3/8"-24        | 9.11/16" | 3.1 lbs | 100325     | 405.00   |

### 7" Governed Angle Grinder

**ELITE**  
SERIES



- 2 H.P.
- Heavy duty alloy steel D.C. backing pad assembly
- Excellent power to weight ratio
- Non friction governor system allows constant grinding performance
- Integral throttle lock
- Anti-vibration dead handle lowers fatigue

| Model No. | Wheel Size | Free Speed | Spindle Thread | Length    | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|------------|----------------|-----------|---------|------------|----------|
| SG776A    | 7"         | 7,600 RPM  | 5/8"-11        | 11.13/16" | 6.4 lbs | 103549     | 551.25   |

### Belt Sander Kit - 3/4" x 18" Belt Size

**Kit Includes:**

- Uses 3/4" x 18" (19mm x 457mm) belts
- 6 interchangeable contact arms
- 6 abrasive belts (various grits)
- 2 surface conditioning belts (various grits)
- Convenient carrying case

**ELITE**  
SERIES



| Model No. | Free Speed | Maximum Length | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|----------------|---------|------------|----------|
| MB7518K   | 18,000 RPM | 15.4"          | 2.9 lbs | 247400     | 471.75   |

### 4" & 5" Insulgrip Angle Grinder/Sander

**INDUSTRIAL  
HEAVY DUTY**



- 1.0 H.P.
- 100° Angle
- Directional exhaust deflector rotates 360° to keep exhaust away from work and operator
- Variable speed regulator

| Model No. | Wheel Size | Free Speed | Spindle Thread | Length | Weight | A.C.T. No. | Price \$ |
|-----------|------------|------------|----------------|--------|--------|------------|----------|
| G410AGS   | 4"         | 10,000 RPM | 5/8"-11        | 8.5"   | 3 lbs  | 161260     | 144.00   |
| G510AGS   | 5"         | 10,000 RPM | 5/8"-11        | 8.5"   | 3 lbs  | 149975     | 157.50   |

### 4" Limited Space Extended Cut-Off Tool



- .7 H.P.
- 8 Position Adjustable Guard
- Variable speed regulator
- Aluminum motor housing with built-in cushion grip & steel extension body

**ELITE**  
SERIES

| Model No. | Wheel Size | Free Speed | Length  | Weight | A.C.T. No. | Price \$ |
|-----------|------------|------------|---------|--------|------------|----------|
| C4170     | 4"         | 17,000 RPM | 14.1/2" | 4 lbs  | 242738     | 262.50   |

### Belt Sander - 3/4" x 18" Belt Size

**Ideal for industrial and automotive deburring, sanding and finishing applications.**

- Uses 3/4" x 18" (19mm x 457mm) belts
- Compact and lightweight design
- 360° swing-position grip adjusts to any required angle and operator comfort and control
- Rear exhaust with silencer for quiet operation
- Easy belt and contact change - No Tools Required



**ELITE**  
SERIES

| Model No. | Free Speed | Maximum Length | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|----------------|---------|------------|----------|
| MB7518    | 18,000 RPM | 15.4"          | 2.9 lbs | 249354     | 324.00   |

## High Speed Micro Die Grinder

- High quality steel motor cylinder
- Precision 3-ball bearing construction
- Non-slip, diamond pattern comfort grip
- Piped away exhaust directs air away from work surface, reducing noise by 20-30%
- Variable speed roll throttle

**ELITE**  
SERIES



Also available with collet reducer 1/8, 3/32, 3mm collet

| Model No. | Free Speed | Collet Size | Length | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|-------------|--------|---------|------------|----------|
| MG30R     | 30,000 RPM | 1/4"        | 6.3/8" | 0.6 lbs | 245775     | 180.00   |
| MG30RM    | 30,000 RPM | 6MM         | 6.3/8" | 0.6 lbs | 264564     | 180.00   |

## Blind Riveter

**Pulling Capacity:** 3,800 LB

**Setting Capacity:** 1/8"  
5/32"  
3/16"  
1/4"

**INDUSTRIAL  
SUPER DUTY**



| Model No. | Length  | Weight  | A.C.T. No. | Price \$ |
|-----------|---------|---------|------------|----------|
| BR250HD   | 13.3/4" | 5.3 lbs | 101139     | 480.00   |

## Blow Guns

### Tepcon Co-Polymer Body



| Model No.                 | Length | A.C.T. No. | Price \$ |
|---------------------------|--------|------------|----------|
| BG2504ST                  | 4"     | 246529     | 11.48    |
| BG2504                    | 4"     | 126217     | 8.63     |
| BG250L20                  | 20"    | 168679     | 15.38    |
| BG250L30                  | 30"    | 168680     | 15.75    |
| BG250L40                  | 40"    | 168681     | 17.25    |
| Replacement Bypass Nozzle |        | 98832      | 3.75     |

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Phone: 403.279.6016  
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**WINNIPEG**  
Phone: 204.783.3210  
Toll Free: 1 877.783.3201

## Composite Orbital Palm Sanders

- Air motor suspended by rubber rings to reduce vibration
- Built-in air regulator for positive speed control
- Compact and lightweight design with contoured comfort grip reduces operator fatigue
- Hardened steel alloy cylinder for longer life and less maintenance
- Double row balancer angular ball bearings prevent from sanding residue and provide longer life and less maintenance
- High-Precision composite rotor is more powerful and provides a better lubricating qualities for longer blade life



**ELITE**  
SERIES

PSA models shown, velcro options available

| Model No. | Size | RPM    | Length | Weight   | A.C.T. No. | Price \$ |
|-----------|------|--------|--------|----------|------------|----------|
| SE5       | 5"   | 10,000 | 5.75"  | 1.70 lbs | 261968     | 187.13   |
| SE6       | 6"   | 10,000 | 6.25"  | 1.75 lbs | 261969     | 187.13   |

## Vacuum & Blow Gun Kit

- The WONDER GUN is a two-in-one air-powered cleaning gun.
- Kit includes: Dust collecting bag, 1.1/4" x 48" Air hose, Throttle assembly & 4 Nozzles



**ELITE**  
SERIES

| Model No. | A.C.T. No. | Price \$ |
|-----------|------------|----------|
| T900K     | 85455      | 25.88    |

## Blow Gun - Zinc Alloy Body

General purpose blow gun offers easy to use design with durable chrome plated zinc alloy body. Complete with tapered nozzle & safety bypass pip

**INDUSTRIAL  
STANDARD DUTY**



Comes with tapered and bypass nozzle

| Model No. | Length | A.C.T. No. | Price \$ |
|-----------|--------|------------|----------|
| BG250S    | 4"     | 81879      | 7.77     |

**FALL-WINTER 2013-2014**  
**A.C.T. EQUIPMENT SALES LTD.**

### Composite Reversible Screwdrivers External Adjustable Cushion Clutch

- High-power, lightweight
- External adjustable clutch
- Wide range of torque
- Patented low-vibration clutch
- Advanced lightweight composite housing
- 1/4" Quick Change Chuck
- Ergonomic thermoplastic elastomer soft-grip



**ELITE**  
SERIES

| Model No. | RPM   | Torque Range in-lbs | Weight lbs | A.C.T. No. | Price \$ |
|-----------|-------|---------------------|------------|------------|----------|
| SD216COM  | 1,600 | 5-35                | 1.32       | 224394     | 243.00   |
| SD2750COM | 750   | 4-60                | 1.32       | 224396     | 243.00   |
| SD317COM  | 1,700 | 20-58               | 1.95       | 208206     | 243.00   |
| SD3750COM | 750   | 19-98               | 1.95       | 214598     | 243.00   |

### 1/2" Reversible Drill

- Planetary gearing
- Dead handle to absorb stall torque reaction
- Handle exhaust
- Variable speed trigger
- One hand reverse lever
- Flush grease fitting in the gear head
- Comes with Jacobs Multi-Craft Chuck
- Soft grip



**INDUSTRIAL  
HEAVY DUTY**

| Model No. | Free Speed | Maximum Length | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|----------------|---------|------------|----------|
| D440R     | 400 RPM    | 7"             | 3.6 lbs | 106762     | 150.00   |

### 3/8" Drill

- Planetary gearing
- Handle exhaust with diffuser
- Variable speed trigger
- Designed for automotive and light industrial use
- Comes with Jacobs Multi-Craft Chuck



**INDUSTRIAL  
STANDARD DUTY**

| Model No. | Free Speed | Maximum Length | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|----------------|---------|------------|----------|
| D320E     | 2,000 RPM  | 6.1/2"         | 2.5 lbs | 157668     | 79.50    |

### 3/8" Reversible Drill

- Planetary gearing
- Comes with Jacobs Multi-Craft Chuck
- Flush grease fitting in the gear head
- Handle exhaust
- Variable speed trigger
- One hand reverse lever
- Soft grip



**INDUSTRIAL  
SUPER DUTY**

| Model No. | Free Speed | Maximum Length | Weight | A.C.T. No. | Price \$ |
|-----------|------------|----------------|--------|------------|----------|
| D318R     | 1,800 RPM  | 6.1/2"         | 3 lbs  | 79476      | 97.50    |

### 1/2" Drill

- Two Full gear cages - Front cage has three planet gears
- Handle exhaust
- Variable speed trigger
- Soft grip
- Dead handle to absorb stall torque reaction
- Flush grease fitting in the gear head
- Comes with Jacobs Multi-Craft Chuck



**INDUSTRIAL  
SUPER DUTY**

| Model No. | Free Speed | Maximum Length | Weight | A.C.T. No. | Price \$ |
|-----------|------------|----------------|--------|------------|----------|
| D450      | 500 RPM    | 7"             | 3 lbs  | 90946      | 159.00   |

### Ratchet Wrenches

- Forged Chrome Moly yoke
- Contour handle
- Improved ratchet head
- Reinforced throttle lever
- 360° Directional exhaust sleeve directs exhaust away from the operator and work



**ELITE**  
SERIES

| Model No. | Drive Size | Free Speed | Max Torque | Length  | Weight  | A.C.T. No. | Sale Price \$ |
|-----------|------------|------------|------------|---------|---------|------------|---------------|
| AR375CM   | 3/8"       | 180 RPM    | 60 ft. lbs | 10.1/4" | 2.5 lbs | 167136     | 91.98         |
| AR500CM   | 1/2"       | 180 RPM    | 60 ft. lbs | 10.1/4" | 2.5 lbs | 170851     | 91.98         |

## 1/4" Impact Screwdriver Reversible

- 1/4" Hex Quick-change chuck
- Compact design with high power
- Convenient one handed reverse lever
- Handle exhaust with silencer for quiet operation
- Twin hammer mechanism
- Variable speed trigger
- Exceptional power - Maximum torque - 160 FT-LBS



**ELITE**  
SERIES

| Model No. | Chuck Size | Max Torque | Speed RPM | Length | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|------------|-----------|--------|---------|------------|----------|
| SD250HDP  | 1/4"       | 160 lb     | 7500      | 6.12"  | 2.3 lbs | 242046     | 228.00   |

## Composite Impact Wrenches

- Composite body construction
- Super twin hammer mechanism
- Lightweight
- Power control dial
- External grease fitting to lubricate impact mechanism
- Swivel air inlet
- Handle exhaust



W5100COM

*Protective Boot Available for Pistol Type Composite Impacts!*



3/8" Boot - A.C.T. No.: 247493  
1/2" Boot - A.C.T. No.: 247496  
3/4" Boot - A.C.T. No.: 226132

**ELITE**  
SERIES

**HIGH POWER**  
**LIGHT WEIGHT**

| Model No. | Size | Max. Torque   | Weight   | A.C.T. No. | Price \$ |
|-----------|------|---------------|----------|------------|----------|
| W3300COM  | 3/8" | 300 ft. lbs   | 2.8 lbs  | 239924     | 220.98   |
| W5100COM  | 1/2" | 1,000 ft. lbs | 4.25 lbs | 239922     | 237.08   |
| W750COM   | 3/4" | 1,400 ft. lbs | 7.65 lbs | 210851     | 482.85   |

## 3/8" Dr. Impact Wrench

- Jumbo hammer mechanism.
- Steel hammer case.
- Chrome finish.
- Built-in power regulator.
- 3 piece design for easy servicing.
- Ergonomic design.
- Handle exhaust.



**INDUSTRIAL**  
**HEAVY DUTY**

| Model No. | Size | Max. Torque | Weight  | A.C.T. No. | Price \$ |
|-----------|------|-------------|---------|------------|----------|
| W375XHD   | 3/8" | 200 ft. lbs | 3.2 lbs | 158184     | 168.75   |

## 1/2" Dr. Impact Wrench with Comfort Grip

- Twin hammer mechanism
- Steel hammer case
- High power/weight ratio
- Twin regulator on reverse valve
- External grease fitting to lubricate impact mechanism



**INDUSTRIAL**  
**HEAVY DUTY**

| Model No. | Size | Max. Torque | Weight  | A.C.T. No. | Price \$ |
|-----------|------|-------------|---------|------------|----------|
| W501BHG   | 1/2" | 600 ft. lbs | 6.8 lbs | 168253     | 151.12   |

## 3/4" Dr. Impact Wrench

- Higher torque
- 3 piece construction for easy maintenance
- New ergonomic handle & trigger
- Twin hammer mechanism
- High power, light weight
- Steel hammer case
- Reversible hammers for increased tool life
- Built-in power regulator



**INDUSTRIAL**  
**SUPER DUTY**

| Model No. | Size | Max. Torque   | Weight   | A.C.T. No. | Price \$ |
|-----------|------|---------------|----------|------------|----------|
| W750BSHD  | 3/4" | 1,050 ft. lbs | 11.2 lbs | 168254     | 419.77   |

## 1" Dr. Impact Wrench - Straight Type

- Twin hammer mechanism
- Aluminum hammer case
- Excellent for truck, bus and tire applications
- Top exhaust
- Dead hammer
- Inner trigger



**ELITE**  
SERIES

| Model No. | Size | Max. Torque   | Weight | A.C.T. No. | Price \$ |
|-----------|------|---------------|--------|------------|----------|
| W1000BHD  | 1"   | 1,800 ft. lbs | 21 lbs | 220515     | 730.12   |

### Flux Chipper



Model 631B Flux Chipper is mainly used in the removal of weld flux and a wide variety of light chipping applications in fabrication shops, foundries, refineries and construction industries.



| Model No. | Blows/Min | Bore/Stroke   | Weight  | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|---------|------------|----------|
| 631B      | 4,200     | 1" X 1.11/32" | 3.4 lbs | 135082     | 206.25   |

### Chisels with #11 Shank for 631B Flux Chipper

| Point Style               | Image | A.C.T. No. | Price \$ |
|---------------------------|-------|------------|----------|
| B - Bent flat 3/4"        |       | 56886      | 13.50    |
| F - Straight flat 3/4"    |       | 60483      | 13.50    |
| G - Bent wide flat 1.3/8" |       | 60484      | 15.00    |
| W - Wide flat 1.3/8"      |       | 60485      | 15.00    |

### Engraving Pen

Will write on all metals, even hardened H.S. steel, ceramics, plastic, glass and stone.

- All metal body.
- Very smooth operation.
- Less vibration for precise engraving.
- Includes 1 medium point carbide tipped stylus



| Model No. | Blows/Min  | Throttle Type | Weight  | A.C.T. No. | Price \$ |
|-----------|------------|---------------|---------|------------|----------|
| ES940     | 15,000 BPM | Twist         | .53 lbs | 81693      | 136.80   |

### Chipping Hammers



- Unique valve design allows for a powerful, smooth-running hammer
- Spline/Ratchet lock prevents loosening of handle cylinder and is more durable than Castle Lock types
- Teasing throttle provides precise control
- Forged steel handle withstands rugged use
- Heat treated cylinder and piston for excellent durability



| Model No. | Collar | Blows/Min | Length  | Weight    | A.C.T. No. | Price \$ |
|-----------|--------|-----------|---------|-----------|------------|----------|
| 622(R)RL  | Round  | 2,400     | 12.7/8" | 13 lbs    | 64230      | 382.50   |
| 622(H)RL  | Hex    | 2,400     | 12.7/8" | 13 lbs    | 97800      | 382.50   |
| 623(R)    | Round  | 1,920     | 14.7/8" | 14.25 lbs | 111535     | 390.00   |
| 623(H)RL  | Hex    | 1,920     | 14.7/8" | 14.25 lbs | 97801      | 390.00   |

### Chisels for 622 & 623 Chipping Hammers

| Point Style | Image | Collar Style A.C.T. No. |       | Price \$ |
|-------------|-------|-------------------------|-------|----------|
|             |       | Round                   | Hex   |          |
| Moil Point  |       | 85372                   | 60301 | 19.28    |
| Flat 7/8"   |       | 64925                   | 60303 | 15.00    |

### Needle Scaler



- Needle Scaler with 19 x 3mm needles
- Flat tip needles are standard on needle scaler
- Flat tips are also available in stainless steel and (no-spark) beryllium copper

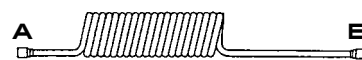


| Model No. | Blows/Min | Bore/Stroke   | Weight | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|--------|------------|----------|
| 631NB     | 4,200     | 1" X 1.11/32" | 6 lbs  | 135083     | 267.00   |

### Coil Hose

This Polyurethane hose does not split or kink, two of the most common problems with nylon air hose. Its tight compact coils allow it to be stored out of the way on a busy workbench. Working length is 80% of overall length.

| Model No.   | Size |        | Straight Ends |     | N.P.T. Fittings |         | A.C.T. No. | Price \$ |
|-------------|------|--------|---------------|-----|-----------------|---------|------------|----------|
|             | ID   | Length | A             | B   | A               | B       |            |          |
| WPC-2510BAD | 1/4" | 10'    | 4"            | 20" | 1/4" MR         | 1/4" MS | 90203      | 10.83    |
| WPC-2515BAD | 1/4" | 15'    | 4"            | 20" | 1/4" MR         | 1/4" MS | 90204      | 13.26    |
| WPC-2525BAD | 1/4" | 25'    | 4"            | 20" | 1/4" MR         | 1/4" MS | 71023      | 17.55    |
| WPC-3815BBE | 3/8" | 15'    | 4"            | 20" | 3/8" MR         | 3/8" MS | 66663      | 19.30    |
| WPC-3825DBE | 3/8" | 25'    | 4"            | 30" | 3/8" MR         | 3/8" MS | 73296      | 27.21    |



MR-Male Rigid  
MS-Male Swivel



## Air Motor Oil

WESPRO air motor oil is formulated with today's air tools in mind. It is lightweight and contains special detergents which clean the interior of the air tool, while at the same time provides excellent lubricity. Emulsifying agents in the oil absorb moisture in the tool and carry it through to the exhaust.



| Model No. | Size      | A.C.T. No. | Price \$ |
|-----------|-----------|------------|----------|
| AMO-005   | 1/2 Litre | 91176      | 7.17     |
| AMO-010   | 1 Litre   | 91177      | 10.24    |
| AMO-040   | 4 Litres  | 91178      | 34.43    |
| AMO-200   | 20 Litres | 91179      | 148.35   |

## In-Line Oilers

Heavy duty in-line lubricators to be installed in air lines within 10-15 feet of tool. Rugged construction will allow dragging on the floor or ground. Designed for use with tools being used too far from the main air lines or wall mounted FRL units.



| Model No. | Capacity | Thread | A.C.T. No. | Price \$ |
|-----------|----------|--------|------------|----------|
| LO1000    | 473ml    | 1      | 90842      | 118.26   |
| LO750     | 109ml    | 3/4    | 90841      | 84.47    |
| LO500B    | 41ml     | 1/2    | 90840      | 72.46    |

## Mini Manual Grease Gun

Miniature sized hand grease gun with a special tip to apply grease in flush type fittings on air tool gear heads or bearing sections.



| Model No. | Length     | A.C.T. No. | Price \$ |
|-----------|------------|------------|----------|
| GG02      | 6" (152mm) | 55007      | 14.46    |

## Extreme Pressure Grease

Extreme pressure grease for air & electric power tool gearing and bearings.



| Model No. | Size          | A.C.T. No. | Price \$ |
|-----------|---------------|------------|----------|
| EP1.5     | 400 Gram Tube | 173793     | 15.30    |
| EPG2/1.5  | 2 lb Tub      | 163533     | 27.47    |

**CALGARY**  
Phone: 403.279.6016  
Toll Free: 1 800.685.8155

**SASKATOON**  
Phone: 306.244.4810  
Toll Free: 1 866.234.0120

**WINNIPEG**  
Phone: 204.783.3210  
Toll Free: 1 877.783.3201

## A.C.T. RECOMMENDS PREVENTATIVE MAINTENANCE FOR ALL YOUR AIR TOOLS.

Using F.R.L. units in addition to greasing tool gear heads helps maximize tool efficiency and shop productivity.



Are your air tools worn or damaged?

Take advantage of A.C.T.'s full service air tool repair shop!

A.C.T. proudly offers full warranties for the following brands:



## 2 piece F.R.L. Units

These accessories improve air tool performance and increase tool life. F.R.L. units should be mounted as close to the tool as possible and regularly maintained for maximum efficiency. Lubricators have a ten position 0 to 9 dial for precise setting and resetting for various sizes of tools.



| Model No. | Air Inlet | Width | Length | A.C.T. No. | Price \$ |
|-----------|-----------|-------|--------|------------|----------|
| BFC 200H  | 1/4" NPT  | 140mm | 206mm  | 105813     | 89.25    |
| BFC 300H  | 3/8" NPT  | 140mm | 206mm  | 105812     | 89.25    |
| CFC 400H  | 1/2" NPT  | 176mm | 250mm  | 126095     | 136.00   |

## "Swivel Mate" Air Hose Swivel Joint Connectors

Swivel Mate swivels 360° at two points, allowing the air hose to drop straight to the floor regardless of how the tool is held.



| Model No. | Type     | Thread | A.C.T. No. | Price \$ |
|-----------|----------|--------|------------|----------|
| CT381R    | Aluminum | 1/4NPT | 100411     | 12.75    |

## Inline Oiler - Compact

Mini refillable inline oilers ensure air tools perform more reliably - **Only 2" OAL!**



| Model No. | Type     | Capacity | Thread | A.C.T. No. | Price \$ |
|-----------|----------|----------|--------|------------|----------|
| MO250A    | Aluminum | 5ml      | 1/4NPT | 85453      | 13.70    |
| MO250B    | Brass    | 5ml      | 1/4NPT | 85454      | 7.65     |

**FALL-WINTER 2013-2014**  
**A.C.T. EQUIPMENT SALES LTD.**

## Hand-Tite Keyless Drill Chucks

### Thread Mount

| Model No. | Capacity | Mount  | A.C.T. No. | Price \$ |
|-----------|----------|--------|------------|----------|
| 32348     | 0-3/8"   | 3/8-24 | 99026      | 31.60    |
| 31038     | 0-1/2"   | 1/2-20 | 100814     | 47.67    |
| 31037     | 0-1/2"   | 3/8-24 | 115984     | 47.67    |

### Heavy-Duty Plain Bearing Chucks

The Jacobs® Plain Bearing Chuck is the world's most widely used chuck for medium or heavy duty portable, bench, or floor mounted power tools. Features heavy and medium duty models for threaded or taper mounting.



**Jacobs**  
CHUCK

### Taper Mount

| Model No. | Capacity     | Mount | Key | A.C.T. No. | Price \$ |
|-----------|--------------|-------|-----|------------|----------|
| 34-06     | 1/32"-1/2"   | 6JT   | K3  | 34958      | 127.37   |
| 36        | 5/32"-13/16" | 3JT   | K4  | 34968      | 191.67   |

### Heavy-Duty Plain Bearing Chucks

- Designed for heavy duty industrial use
- Used on drill presses, lathes, milling machines and for woodwork



**WESPRO**  
POWER TOOLS

### Taper Mount

| Model No. | Capacity   | Mount | Key | A.C.T. No. | Price \$ |
|-----------|------------|-------|-----|------------|----------|
| 10003     | 0-1/4"     | 1JT   | T2  | 91364      | 24.48    |
| 10010     | 0-3/8"     | 2JT   | T3  | 93845      | 26.35    |
| 10039     | 0-1/2"     | 6JT   | T5  | 89593      | 27.54    |
| 10046     | 0-1/2"     | 6JT   | T7  | 89323      | 36.72    |
| 10048     | 0-1/2"     | 33JT  | T7  | 91372      | 36.72    |
| 10062     | 1/32"-5/8" | 3JT   | T7  | 91390      | 44.88    |
| 10073     | 1/8"-3/4"  | 3JT   | T8  | 89594      | 91.80    |

### Thread Mount

| Model No. | Capacity | Mount   | Key | A.C.T. No. | Price \$ |
|-----------|----------|---------|-----|------------|----------|
| 10005     | 0-1/4"   | 3/8"-24 | T2  | 91354      | 24.48    |
| 10014A    | 0-3/8"   | 3/8"-24 | T3A | 255340     | 32.30    |
| 10015     | 0-3/8"   | 1/2"-20 | T3  | 91389      | 26.52    |
| 10042     | 0-1/2"   | 3/8"-24 | T5  | 91387      | 29.58    |
| 10043     | 0-1/2"   | 1/2"-20 | T5  | 91388      | 28.56    |

### High Precision Keyless Drill Chucks

For use on conventional machines when high accuracy is required. Ideal for most machining operations. Spanner to increase gripping torque also available at an extra charge.

### Thread Mount

| Model No. | Capacity  | Mount   | A.C.T. No. | Price \$ |
|-----------|-----------|---------|------------|----------|
| 11077     | 0-3/8"    | 1/2"-20 | 90357      | 88.40    |
| 11081     | 0-1/2"    | 1/2"-20 | 82884      | 68.00    |
| 11085     | 1/8"-5/8" | 1/2"-20 | 93844      | 80.75    |
| 11086     | 1/8"-5/8" | 5/8"-16 | 82885      | 80.75    |



**WESPRO**  
POWER TOOLS

- Jacobs® patented Hammerlock® technology provides a positive locking mechanism which prevents loosening in hammer and other high vibration applications.
- Jacobs® patented Anti-Lock prevents chuck from locking open.



**Jacobs**  
CHUCK

### Precision Ball Bearing Chucks

Ball bearing construction maximizes gripping force and drilling accuracy. Jaws center-ground for absolute straightness and alignment. Jaws specially treated to ensure extended thread life and high gripping surface hardness.



**Jacobs**  
CHUCK

### Taper Mount

| Model No. | Capacity   | Mount | Key | A.C.T. No. | Price \$ |
|-----------|------------|-------|-----|------------|----------|
| 8-1/2N    | 1/32"-1/4" | 2JT   | K30 | 34910      | 130.14   |
| 11N       | 1/32"-3/8" | 2JT   | K32 | 34911      | 145.03   |
| 14N       | 1/32"-1/2" | 3JT   | K3  | 34912      | 202.77   |
| 16N       | 1/8"-5/8"  | 3JT   | K4  | 34914      | 232.74   |
| 18N       | 1/8"-3/4"  | 4JT   | K4  | 34915      | 350.03   |
| 20N       | 3/8"-1"    | 5JT   | K5  | 34916      | 471.38   |

### Precision Ball Bearing Chucks

All parts in these chucks are heat treated which allows heavy duty drilling, and long lasting precision. Increased clamping power for high speed use is achieved with Ball Thrust Bearings.



**WESPRO**  
POWER TOOLS

### Taper Mount

| Model No. | Capacity   | Mount | Key | A.C.T. No. | Price \$ |
|-----------|------------|-------|-----|------------|----------|
| 12001     | 0-1/2"     | 6JT   | P6  | 89324      | 112.50   |
| 12013     | 0-1/2"     | 3JT   | P6  | 93847      | 112.50   |
| 12003     | 1/32"-5/8" | 3JT   | P7  | 91377      | 135.00   |
| 12005     | 1/32"-3/4" | 4JT   | P7  | 89325      | 193.50   |
| 12007     | 3/16"-1"   | 5JT   | T9  | 91378      | 351.00   |

### Super Precision Keyless Drill Chucks

For use on CNC machining centers where applications require precise accuracy and maximum gripping force. When tightened with the supplied spanner, gripping torque is increased up to 2 times higher than hand tightening.

### Taper Mount

| Model No. | Capacity  | Mount | A.C.T. No. | Price \$ |
|-----------|-----------|-------|------------|----------|
| 11018     | 0-3/8"    | J33   | 82887      | 98.60    |
| 11025     | 0-1/2"    | J6    | 82888      | 120.70   |
| 11026     | 0-1/2"    | J33   | 93842      | 120.70   |
| 11028     | 1/8"-5/8" | J6    | 82889      | 136.00   |



**WESPRO**  
POWER TOOLS

## Spring Balancers

Eliminates wear or damage to tools from dropping or continuous picking up and laying down. Also helps reduce operator fatigue and increases safety by keeping work area uncluttered.

**WESPRO**  
POWER TOOLS



| Model No. | Capacity       | Travel | A.C.T. No. | Price \$ |
|-----------|----------------|--------|------------|----------|
| SB600     | .66 - 1.76 lbs | 50"    | 128988     | 28.80    |
| SB1200    | 1.3 - 3.3 lbs  | 50"    | 81936      | 28.80    |
| SB3000    | 3.3 - 6.6 lbs  | 50"    | 81937      | 48.00    |

## Spring Balancers

**Endo: The Cadillac of Balancers!**  
Tapered drum for "Zero Point" balancing. Will balance in any position! Eliminates wear or damage to tools from dropping or continuous picking up and laying down. Also helps reduce operator fatigue and increases safety by keeping work area uncluttered.



**ENDO**  
ENDO KOGYO CO., LTD.

| Model No. | Capacity        | Travel | A.C.T. No. | Price \$ |
|-----------|-----------------|--------|------------|----------|
| EK-00     | 1.1 - 3.3 lbs   | 1.6'   | 56672      | 49.30    |
| EK-0      | 1.1 - 3.3 lbs   | 3.3'   | 56673      | 79.90    |
| EW-3      | 2.2 - 6.6 lbs   | 4.3'   | 56674      | 129.20   |
| EW-5      | 5.5 - 11.0 lbs  | 4.3'   | 56675      | 154.70   |
| EW-9      | 9.9 - 19.8 lbs  | 4.3'   | 187972     | 323.00   |
| EW-15     | 19.8 - 33.1 lbs | 4.3'   | 187973     | 391.00   |
| EW-22     | 33.1 - 48.5 lbs | 4.9'   | 169622     | 510.00   |
| EW-30     | 48.5 - 66.1 lbs | 4.9'   | 173719     | 561.00   |

## WD-40

WD-40 not only lubricates, it also cleans and protects metal parts. It effectively penetrates to loosen rusted parts and sticky mechanisms. It also works well to drive moisture from undesired locations. Available in 4L containers or in a convenient aerosol spray can.

**WD-40**



| Size  | A.C.T. No. | Price \$ |
|-------|------------|----------|
| 12 oz | 209098     | 7.70     |
| 3.78L | 105876     | 35.60    |

## M1 Industrial All-Purpose Lubricant

**Starrett**

This superior lubricant produces a micro-thin, air-tight coating that simultaneously dries as it protects, avoiding dirt, grime, etc., that other "wet" lubricants actually attract. The can will spray upside down in awkward places without losing propellant power.



| Description        | A.C.T. No. | Price \$ |
|--------------------|------------|----------|
| 12 oz Aerosol Can  | 140547     | 5.95     |
| 1 gal. Can (3.75L) | 128073     | 37.29    |

## Non-Marking Dead Blow Hammers



**POWER BLOW**

| Model No. | Weight  | Head Dia. | Head Length | O.A.L.  | A.C.T. No. | Price \$ |
|-----------|---------|-----------|-------------|---------|------------|----------|
| CH-0      | 9 oz.   | 1"        | 3"          | 10.1/8" | 116088     | 14.10    |
| CH-1      | 16 oz.  | 1.1/2"    | 3.5/8"      | 10.3/4" | 116089     | 16.13    |
| CH-2      | 24 oz.  | 1.3/4"    | 4"          | 12"     | 116090     | 20.70    |
| CH-3      | 32 oz.  | 2"        | 4.1/4"      | 13.1/4" | 116091     | 25.28    |
| CH-4      | 40 oz.  | 2.1/8"    | 4.5/8"      | 14"     | 116092     | 30.75    |
| CH-5      | 56 oz.  | 2.1/2"    | 5.1/4"      | 14.5/8" | 116093     | 36.38    |
| CH-36*    | 184 oz. | 3.3/4"    | 7.7/8"      | 36.5/8" | 116094     | 129.00   |

\*Sledge Hammer Size

## Alkaline Batteries

**Energizer**  
**INDUSTRIAL**



| Size                                   | PKG QTY | A.C.T. No. | Price \$/ea when you Buy Pkg Quantity |
|----------------------------------------|---------|------------|---------------------------------------|
| AAAA                                   | 6       | 196908     | 9.49/pkg                              |
| AAA                                    | 8       | 247442     | 0.78/ea.                              |
| AA                                     | 8       | 247441     | 0.58/ea.                              |
| C                                      | 6       | 247443     | 1.28/ea.                              |
| D                                      | 6       | 247444     | 1.38/ea.                              |
| 9V                                     | 6       | 247440     | 2.33/ea.                              |
| 6V Lantern Battery w/ Spring Terminals | 1       | 247503     | 3.97/ea.                              |

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## Rapid Tap



| Size          | A.C.T. No. | Price \$ |
|---------------|------------|----------|
| 4 oz/118 ml   | 94535      | 3.50     |
| 16 oz/455 ml  | 94536      | 8.49     |
| 1 GAL US/4 L  | 94537      | 48.90    |
| 5 GAL US/20 L | 94538      | 222.59   |



## A-9



| Size         | A.C.T. No. | Price \$ |
|--------------|------------|----------|
| 4 oz/118 ml  | 53122      | 2.63     |
| 16 oz/455 ml | 52809      | 7.47     |
| 1 GAL US/4 L | 52811      | 40.28    |



## Econo 897 Allround-Paste



Suitable for tapping and metal cutting applications, from very small to large workpieces. Paste clings to tap or cutter when higher RPM's are involved. Versatile & Economical!

| Size            | A.C.T. No. | Price \$ |
|-----------------|------------|----------|
| 8.8 oz/250 G    | 60264      | 15.30    |
| 26.4 oz/750 G   | 65415      | 34.91    |
| 11.023 lbs/5 KG | 115473     | 160.55   |



## Tapping Fluid



**HDS-400** is suitable for all materials and can be used when tapping, threading, cutting, drilling, reaming, drawing, etc. **HDS-400** has a medium viscosity. Oil clings to tap and is very safe.

| Size           | A.C.T. No. | Price \$ |
|----------------|------------|----------|
| 250 ml         | 60259      | 11.31    |
| 1 GAL US/ 4 L  | 60261      | 71.82    |
| 5 GAL US/ 20 L | 66230      | 339.15   |



## MIG Gun Nozzle & Contact Tip Gel



Dip hot nozzle into gel to prevent spatter build up and extend nozzle life. 750 G cans also available.

| Size  | A.C.T. No. | Price \$ |
|-------|------------|----------|
| 250 G | 66960      | 15.34    |



## Surface Plate Cleaner

| Size            | A.C.T. No. | Price \$ |
|-----------------|------------|----------|
| Pint            | 244349     | 3.86     |
| Pint Spray Pump | 208249     | 5.31     |
| Quart           | 244350     | 7.54     |
| 1/2 Gallon      | 244351     | 15.60    |
| Gallon          | 207391     | 14.83    |



## Layout Fluids

Blue Layout Fluid for a smooth, even, fast-drying coat for tool and die makers and production layout work. Layout Fluid Remover is formulated to remove blue, red, and most other layout fluids. Leaves no residue and eliminates the use of daubers and brushes.

| Description                           | Model No. | A.C.T. No. | Price \$ |
|---------------------------------------|-----------|------------|----------|
| Blue Layout Ink 12.75 oz Aerosol      | 76214     | 119977     | 8.39     |
| Layout Fluid Remover 11.75 oz Aerosol | 76205     | 119978     | 7.26     |



Blue Layout Fluid



Layout Fluid Remover



## Fast Orange Hand Cleaner

Fast Orange is the #1 selling, biodegradable, waterless, petroleum solvent-free hand cleaner. It contains no harsh chemicals, mineral oils or ammonia that can sting cuts and abrasions. Pure, fresh-smelling natural citrus power does the cleaning while aloe, lanolin, glycerin and jojoba condition and protect skin. Fast Orange gently deep cleans the toughest soils. Works great on laundry stains, scuff marks, tile floors, pet odors and many other household cleaning needs.

**NOTE:** Please specify individual or case of 4 when placing order.

| Model No. | Description                             | Packaging            | A.C.T. No. | Price \$       |
|-----------|-----------------------------------------|----------------------|------------|----------------|
| 20861     | Fast Orange® Pumice Lotion 3.78L Bottle | Individual<br>4/Case | 187697     | 17.74<br>16.32 |

While Quantities Last.



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## Automatic Center Punch with Adjustable Stroke

- Adjustable blow and easily removed steel point
- Hardened tool steel working parts with lightweight, knurled aluminum handle
- 819 automatically locates and centers countersunk holes in latches, hinges, catches, etc.



**Starrett®**

| Model No. | Length | Diameter | A.C.T. No. | Price \$ |
|-----------|--------|----------|------------|----------|
| 818       | 5"     | 5/8"     | 137435     | 35.90    |
| 819       | 5"     | 5/8"     | 216085     | 38.57    |

Note: Fully Aluminum Body

## 18 Series Automatic Center Punch

- Rugged automatic punch with all-steel handles and parts
- Adjustable knurled cap regulates the force of the blow
- Easily removable steel point for regrinding or replacement



**Starrett®**

| Model No. | Length | Diameter | A.C.T. No. | Price \$ |
|-----------|--------|----------|------------|----------|
| 18A       | 5"     | 9/16"    | 137438     | 40.71    |
| 18C       | 5.1/4" | 11/16"   | 177794     | 48.76    |

## Drive Pin Punches

Starrett drive pin punches are well proportioned, hardened, properly tempered, nicely finished and have a knurled finger grip. Each punch has the size stamped on the head.



**Starrett®**

| Model No. | Description                              | A.C.T. No. | Price \$ |
|-----------|------------------------------------------|------------|----------|
| S565WB    | 8 pc Set (565A-565H) in Round Wooden Box | 137441     | 57.86    |

## Machinists' Improved Levels

These levels feature a ground and graduated main vial and a cross test vial. The cast iron base is precision machined on the reference surface.

**Starrett®**



| Model No. | Length      | Description        | A.C.T. No. | Price \$ |
|-----------|-------------|--------------------|------------|----------|
| 98-6      | 6" (150mm)  | w/ Cross Test Vial | 117355     | 126.43   |
| 98-8      | 8" (200mm)  | w/ Cross Test Vial | 104963     | 156.43   |
| 98-12     | 12" (300mm) | w/ Cross Test Vial | 141049     | 219.64   |

## Carbide Point Scriber with Magnet



**GENERAL**

Overall length of 6". Tungsten carbide tip marks hard materials including hardened steel, ceramics and glass.

### Scriber

| Model No. | A.C.T. No. | Price \$ |
|-----------|------------|----------|
| 88CM      | 59941      | 9.36     |

### Replacement Tip

| A.C.T. No. | Price \$ |
|------------|----------|
| 58093      | 3.79     |

**MADE IN USA**

## Transfer Punch Sets

- 28 Punches in Metal Indexed Stand
- Heat treated tempered steel
- Consists of one each of punch sizes 3/32 thru 1/2 x 64th plus 17/32 in metal indexed stand



**TOWA**  
TOOLING SOLUTIONS

| Model No. | Sizes                           | A.C.T. No. | Price \$ |
|-----------|---------------------------------|------------|----------|
| 200-750   | 3/32 thru 1/2 x 64th plus 17/32 | 113986     | 19.89    |

## Hand Wire Scratch Brushes



### Curved Handle (Small)

For removing oxides from stainless welds.



### Curved Handle

For removing rust, scale, paint, solder, etc.

**Weiler**



### Shoe Handle

For cleaning threads, files, metal parts and castings.

| Description           | Wire Type | Wire Size | Block Size    | Brush Length | No. of Rows | Trim Length | A.C.T. No. | Price \$ |
|-----------------------|-----------|-----------|---------------|--------------|-------------|-------------|------------|----------|
| Curved Handle (Small) | Stainless | .006      | 7.1/2" x 1/2" | 1.3/8"       | 3 x 7       | 1/2"        | 87998      | 2.02     |
| Curved Handle         | Steel     | .012      | 14" x 1.1/8"  | 6"           | 4 x 18      | 1"          | 130251     | 1.64     |
| Curved Handle         | Stainless | .012      | 14" x 1.1/8"  | 6"           | 4 x 18      | 1"          | 130250     | 3.00     |
| Shoe Handle           | Stainless | .012      | 10" x 1"      | 5"           | 4 x 16      | 1"          | 130249     | 2.67     |

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## Tape Measures

**TUFF**  
GRADE

### Non-Magnetic Tip

| Model No. | Length | Width | Graduation        | A.C.T. No. | Price \$ |
|-----------|--------|-------|-------------------|------------|----------|
| TGTM-001  | 16'    | 3/4"  | Imperial Only     | TGTM-001*  | 2.63     |
| TGTM-002  | 16'    | 3/4"  | Imperial & Metric | TGTM-002*  | 2.63     |
| TGTM-003  | 25'    | 1"    | Imperial Only     | TGTM-003*  | 4.14     |
| TGTM-004  | 25'    | 1"    | Imperial & Metric | TGTM-004*  | 4.14     |

Durable high impact ABS case.  
Available with or without magnetic tip.



### Magnetic Tip

| Model No. | Length | Width | Graduation        | A.C.T. No. | Price \$ |
|-----------|--------|-------|-------------------|------------|----------|
| TGTM-005  | 16'    | 3/4"  | Imperial Only     | TGTM-005*  | 2.79     |
| TGTM-006  | 16'    | 3/4"  | Imperial & Metric | TGTM-006*  | 4.31     |
| TGTM-007  | 25'    | 1"    | Imperial Only     | TGTM-007*  | 4.31     |
| TGTM-008  | 25'    | 1"    | Imperial & Metric | TGTM-008*  | 4.31     |

## C-Clamps

**ECLIPSE**  
PROFESSIONAL ENGINEERING TOOLS

| Model No. | Clamping Capacity | Frame Proof Load     | A.C.T. No. | Price \$ |
|-----------|-------------------|----------------------|------------|----------|
| E20-03    | 3"                | 1,000 lbs (455 kg)   | E20-03*    | 6.05     |
| E20-04    | 4"                | 1,200 lbs (545 kg)   | E20-04*    | 7.47     |
| E20-06    | 6"                | 1,400 lbs (636 kg)   | E20-06*    | 10.70    |
| E20-08    | 8"                | 1,700 lbs (773 kg)   | E20-08*    | 16.42    |
| E20-10    | 10"               | 2,000 lbs (909 kg)   | E20-10*    | 22.38    |
| E20-12    | 12"               | 2,500 lbs (1,136 kg) | E20-12*    | 27.73    |

- Unbreakable Malleable Cast Iron Frame
- Powder Coat Finish



## Outdoor Extension Cords - Triple Tap

| Model No. | Length | AWG  | A.C.T. No. | Price \$ |
|-----------|--------|------|------------|----------|
| NS610725  | 25'    | 14/3 | NS610725*  | 26.57    |
| NS610730  | 50'    | 14/3 | NS610730*  | 36.21    |
| NS610735  | 100'   | 14/3 | NS610735*  | 65.90    |



**PRIME**

\*Manufacturer Part Number Listed.

**3M**



**Ask Us About 3M Tape & Adhesives!**

## Mechanics Bench Vise

Record vises are among the most popular and widely used general-purpose vises for light to medium duty applications.



**†Receive a FREE Set of Jaws with Each 4" or 6" Record Vise Purchase!**

(4" Jaws - A.C.T. No.: 116128 / 6" Jaws - A.C.T. No.: 116130)

**While Quantities Last!**

| Model No. | Jaw Width | Jaw Opening | Jaw Depth | A.C.T. No. | Price \$ |
|-----------|-----------|-------------|-----------|------------|----------|
| 3B†       | 4"        | 4.3/4"      | 2.3/4"    | 60475†     | 71.47    |
| 5B        | 5"        | 6.1/2"      | 3.1/4"    | 65601      | 146.07   |
| 6B†       | 6"        | 8"          | 3.1/2"    | 60027†     | 201.86   |
| 8B        | 8"        | 9.1/4"      | 4"        | 100355     | 240.29   |

## L-Wrench Hex Key Sets

- Holds screws tight. First Time - Everytime!
- Turns a full 360° at up to a 25° angle
- Non-magnetic
- Does not weaken the tool

### ProHold Ball Driver Hex Key Sets

| Model No. | Type   | Sizes Included | A.C.T. No. | Price \$ |
|-----------|--------|----------------|------------|----------|
| 74937     | Inch   | .050 - 3/8     | 234609     | 24.91    |
| 74999     | Metric | 1.5 - 10mm     | 234611     | 20.26    |

L-Wrench sets are ideal where a variety of tool sizes are required. Made from Protanium™ - High Torque Steel, 25% stronger than the competition.

### Ball Driver Hex Key Sets

| Model No. | Type          | Sizes Included                           | A.C.T. No. | Price \$ |
|-----------|---------------|------------------------------------------|------------|----------|
| 10937     | Inch          | .050 - 3/8                               | 69436      | 17.86    |
| 10999     | Metric        | 1.5 - 10mm                               | 53026      | 14.89    |
| 20199     | Inch & Metric | Includes Both Sets Above (10937 + 10999) | 152484     | 31.29    |

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## Utility Knives

**OLFA**

The original heavy-duty cutter. Contoured handle includes a ratchet wheel, blade locking mechanism. Uses any OLFA heavy-duty replacement blade.



| Model No. | A.C.T. No. | Price \$ |
|-----------|------------|----------|
| L-1       | 85769      | 7.54     |

**OLFA**

Sure-grip heavy duty utility cutter, features a ratchet wheel, blade locking mechanism and an anti-slip rubber grip insert. Uses any OLFA heavy-duty replacement blade.



| Model No. | A.C.T. No. | Price \$ |
|-----------|------------|----------|
| L-2       | 139610     | 9.00     |

## Replacement Blades

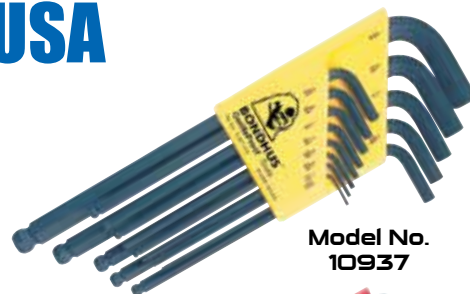
**OLFA**

| Replacement Blades For Knife Models | Pkg Qty | A.C.T. No. | Price \$ |
|-------------------------------------|---------|------------|----------|
| L-1, L-2, NH-1, NH-AL               | 10      | 85770      | 5.62     |
| L-1, L-2, NH-1, NH-AL               | 50      | 102466     | 21.90    |

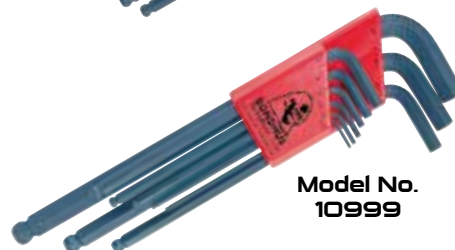


**MADE IN USA**

**BONDHUS**



**Model No. 10937**



**Model No. 10999**

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**F**rom Storage Wall® systems and pre-set cabinets, to transporters and pre-set workbenches, Lista provides stable and secure solutions that are perfect for tool crib applications. With their modular design, sub-dividable drawers and heavy-duty tool holders, our products provide convenient, highly organized storage of CNC tools and perishable tools such as drills, taps, reamers and broaches.



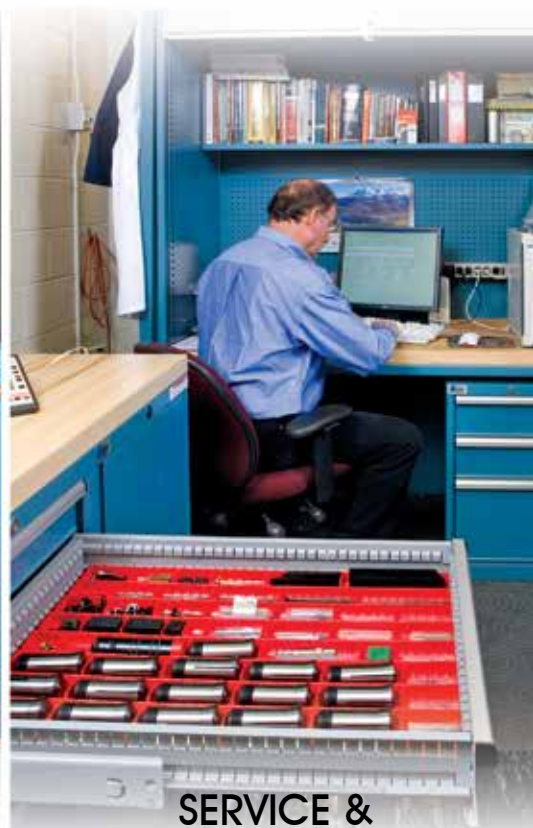
### **CNC TOOLING STORAGE**

Lista is ready to meet your pre-set tool storage needs with the industry's most robust solutions. The Lista Storage Wall® system provides a high level of organization, quicker retrieval time and increased product throughput.



### **MANUFACTURING TOOL & PARTS STORAGE**

Lista's pre-set storage cabinets can be arranged and equipped to meet your specific needs. Flexible combinations of drawers and roll-out trays are closed behind lockable hinged or sliding doors which protect tools from the working environment.



### **SERVICE & WORK AREAS**

Lista's innovative workstations, mobile workbenches, companion mobile cabinets and Nexus Accessory Systems are ideally suited for not only the shop floor but also for service and work areas.

 **LISTA**  
making workspace work®

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## Exopro Mega Muscle Drills - 5xD

Newly developed Mega Muscle Drill has a specially shaped flute (PAT.P.) that breaks steel chips into small, manageable pieces for easy evacuation.

This allows for increased feed rates up to 1.5 to 2 times faster than 2 fluted drills. More importantly, rotational speed can be decreased, thus decreasing the amount of wear on the drill to prolong tool life. Last but not least, the Mega Muscle Drill also has a special negative cutting edge to decrease the tendency of chipping the corners on breakout of through holes.

### List 5610 - 5xD

| Fractional Size | mm    | Size Inch | Flute Length | Overall Length | Shank Diameter | A.C.T. No. | Price  |
|-----------------|-------|-----------|--------------|----------------|----------------|------------|--------|
| 13/64           | 5.16  | 0.2031    | 42           | 100            | 15/64          | 561020311* | 130.48 |
| 7/32            | 5.56  | 0.2189    | 45           | 100            | 15/64          | 561021911* | 137.76 |
| 15/64           | 5.95  | 0.2343    | 48           | 100            | 15/64          | 561023411* | 137.76 |
| 1/4             | 6.35  | 0.2500    | 52           | 109            | 1/4            | 561025011* | 137.76 |
| 17/64           | 6.75  | 0.2657    | 55           | 109            | 17/64          | 561026611* | 146.00 |
| 9/32            | 7.14  | 0.2811    | 58           | 118            | 9/32           | 561028111* | 171.34 |
| 19/64           | 7.54  | 0.2969    | 60           | 118            | 5/16           | 561029711* | 181.17 |
| 5/16            | 7.94  | 0.3126    | 64           | 118            | 5/16           | 560031311* | 153.97 |
| 21/64           | 8.33  | 0.3280    | 67           | 128            | 11/32          | 561032811* | 199.40 |
| 11/32           | 8.73  | 0.3437    | 70           | 128            | 11/32          | 561034411* | 208.06 |
| 23/64           | 9.13  | 0.3594    | 73           | 136            | 25/64          | 561035911* | 218.30 |
| 3/8             | 9.53  | 0.3752    | 76           | 136            | 3/8            | 561037511* | 238.14 |
| 25/64           | 9.92  | 0.3906    | 80           | 136            | 25/64          | 561039111* | 238.14 |
| 13/32           | 10.32 | 0.4063    | 83           | 146            | 27/64          | 561040611* | 255.76 |
| 27/64           | 10.72 | 0.4220    | 86           | 146            | 27/64          | 561042211* | 263.96 |
| 7/16            | 11.11 | 0.4374    | 89           | 156            | 7/16           | 561043711* | 273.78 |
| 29/64           | 11.51 | 0.4531    | 92           | 156            | 15/32          | 561045311* | 305.36 |
| 15/32           | 11.91 | 0.4689    | 96           | 156            | 15/32          | 561046911* | 305.36 |
| 31/64           | 12.30 | 0.4843    | 99           | 167            | 1/2            | 561048411* | 305.36 |
| 1/2             | 12.70 | 0.5000    | 102          | 167            | 1/2            | 561050011* | 315.87 |
| 17/32           | 13.49 | 0.5311    | 108          | 176            | 35/64          | 561053111* | 315.87 |
| 9/16            | 14.29 | 0.5626    | 115          | 185            | 9/16           | 561056311* | 346.19 |
| 5/8             | 15.88 | 0.6252    | 128          | 193            | 5/8            | 561062511* | 381.50 |
| 21/32           | 16.67 | 0.6563    | 134          | 201            | 21/32          | 561065611* | 445.62 |
| 3/4             | 19.05 | 0.7500    | 154          | 217            | 3/4            | 561075011* | 624.33 |

\*Manufacturer Part Number Listed.



**3xD Also Available**

## HY-PRO CARB CNC Multi Purpose Centering Drill and Chamfering Tool

The OSG Hy-Pro Carb CNC Multi-purpose centering drill and chamfering tool utilizes a single indexable carbide insert to eliminate tool vibration. A special tool holding system assures high accuracy and time savings on replacement and re-indexing of carbide inserts.

*Indexable tool for chamfering, center-drilling, countersinking and v-grooving*

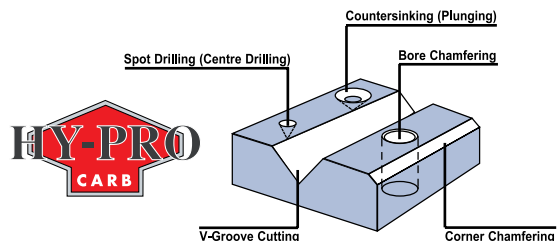


### Holders

| Point Angle | O.A.L. | Max. Dia. | Shank Dia. | A.C.T. No. | Price \$ |
|-------------|--------|-----------|------------|------------|----------|
| 90°         | 4.1/2  | .5000     | 5/8        | 113040     | 179.87   |
| 118°        | 4.1/2  | .6250     | 5/8        | 114879     | 179.87   |

### Inserts

| Carbide Insert Type                     | PKG QTY | A.C.T. No. | Price \$ per ea. |
|-----------------------------------------|---------|------------|------------------|
| NK1010 Inserts for Cast Iron & Aluminum | 10      | 114880     | 20.24            |
| NK2020 Inserts for Steel                | 10      | 113041     | 20.24            |
| NK2020 TiAlN Coated Insert for Steel    | 10      | 196997     | 22.61            |



**TiAlN Coated Insert for Steel!**  
**Great Performance & Value**

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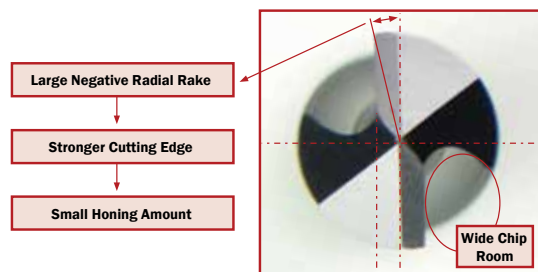
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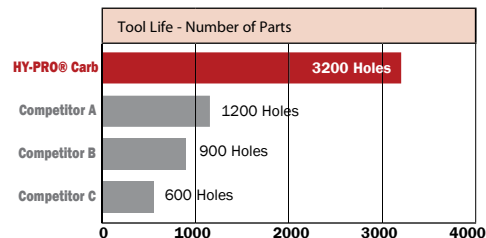
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## Carbide Drills 5xD - High Performance

The perfect blend of performance and cost efficiency



| HY-PRO® Carb Drill Performance: |                          |
|---------------------------------|--------------------------|
| Tool Ø:                         | 3 mm                     |
| Material:                       | 4140 Alloy Steel (30HRC) |
| Speed:                          | 230 SFM                  |
| Feed:                           | 0.0035 IPR               |
| Depth:                          | 12 mm (Through)          |



|              | Tool Life | Tool Cost Per Hole | # of Holes Per Unit | Tool Cost Per Unit | Cost Ratio |
|--------------|-----------|--------------------|---------------------|--------------------|------------|
| OSG          | 3200      | \$0.01             | 4                   | \$0.04             | 100%       |
| Competitor A | 1200      | \$0.02             | 4                   | \$0.08             | 200%       |
| Competitor B | 900       | \$0.06             | 4                   | \$0.24             | 600%       |
| Competitor C | 600       | \$0.04             | 4                   | \$0.16             | 400%       |



**3xD & Metric Sizes Also Available!**

### List HP245 - Solid Carbide Drills

| Size  | Inch   | Flute Length | O.A.L. | Shank Dia. | A.C.T. No. | Price \$ |
|-------|--------|--------------|--------|------------|------------|----------|
| 1/8   | 0.1248 | 28           | 66     | 6          | 260885     | 23.98    |
| 5/32  | 0.1563 | 36           | 74     | 6          | 260886     | 23.98    |
| 11/64 | 0.172  | 36           | 74     | 6          | 260887     | 25.13    |
| 3/16  | 0.1874 | 44           | 82     | 6          | 260339     | 28.50    |
| 13/64 | 0.2031 | 44           | 82     | 6          | 260121     | 28.42    |
| 7/32  | 0.2189 | 44           | 82     | 6          | 252003     | 28.70    |
| 15/64 | 0.2343 | 44           | 82     | 6          | 260888     | 30.05    |
| 1/4   | 0.25   | 53           | 91     | 8          | 252002     | 37.17    |
| 17/64 | 0.2657 | 53           | 91     | 8          | 252855     | 48.80    |
| 9/32  | 0.2811 | 53           | 91     | 8          | 256676     | 50.57    |
| 19/64 | 0.2969 | 53           | 91     | 8          | 260889     | 50.57    |
| 5/16  | 0.3126 | 53           | 91     | 8          | 255315     | 50.57    |
| 21/64 | 0.328  | 61           | 103    | 10         | 260890     | 61.88    |
| 11/32 | 0.3437 | 61           | 103    | 10         | 260891     | 61.88    |
| 23/64 | 0.3594 | 61           | 103    | 10         | 260892     | 66.23    |
| 3/8   | 0.3748 | 61           | 103    | 10         | 252415     | 66.23    |

| Size  | Inch   | Flute Length | O.A.L. | Shank Dia. | A.C.T. No. | Price \$ |
|-------|--------|--------------|--------|------------|------------|----------|
| 25/64 | 0.3906 | 61           | 103    | 10         | 253833     | 69.53    |
| 13/32 | 0.4063 | 71           | 118    | 12         | 255316     | 88.89    |
| 27/64 | 0.422  | 71           | 118    | 12         | 260893     | 88.89    |
| 7/16  | 0.4374 | 71           | 118    | 12         | 260894     | 88.89    |
| 29/64 | 0.4531 | 71           | 118    | 12         | 260895     | 88.89    |
| 15/32 | 0.4689 | 71           | 118    | 12         | 260896     | 88.89    |
| 31/64 | 0.4843 | 77           | 124    | 14         | 260897     | 129.41   |
| 1/2   | 0.5    | 77           | 124    | 14         | 260898     | 129.41   |
| 33/64 | 0.5157 | 77           | 124    | 14         | 260120     | 135.87   |
| 17/32 | 0.5311 | 77           | 124    | 14         | 260899     | 135.87   |
| 9/16  | 0.5626 | 83           | 133    | 16         | 260900     | 163.03   |
| 37/64 | 0.578  | 83           | 133    | 16         | 260901     | 176.11   |
| 19/32 | 0.5937 | 83           | 133    | 16         | 260902     | 176.11   |
| 5/8   | 0.6248 | 83           | 133    | 16         | 260903     | 176.11   |
| 21/32 | 0.6563 | 93           | 143    | 18         | 260904     | 215.64   |
| 3/4   | 0.75   | 101          | 153    | 20         | 260905     | 292.52   |

### List HP255 - COOLANT THROUGH Solid Carbide Drills

| Size  | Inch   | Flute Length | O.A.L. | Shank Dia. | A.C.T. No. | Price \$ |
|-------|--------|--------------|--------|------------|------------|----------|
| 1/8   | 0.1248 | 28           | 66     | 6          | 266892     | 38.58    |
| 5/32  | 0.1563 | 36           | 74     | 6          | 266893     | 38.83    |
| 11/64 | 0.172  | 36           | 74     | 6          | 266894     | 38.83    |
| 3/16  | 0.1874 | 44           | 82     | 6          | 266895     | 39.74    |
| 13/64 | 0.2031 | 44           | 82     | 6          | 266896     | 39.74    |
| 7/32  | 0.2189 | 44           | 82     | 6          | 266897     | 39.74    |
| 15/64 | 0.2343 | 44           | 82     | 6          | 266898     | 39.74    |
| 1/4   | 0.25   | 53           | 91     | 8          | 265244     | 51.82    |
| 17/64 | 0.2657 | 53           | 91     | 8          | 266899     | 51.82    |
| 9/32  | 0.2811 | 53           | 91     | 8          | 266900     | 55.05    |
| 19/64 | 0.2969 | 53           | 91     | 8          | 266901     | 55.05    |
| 5/16  | 0.3126 | 53           | 91     | 8          | 266231     | 55.05    |

| Size  | Inch   | Flute Length | O.A.L. | Shank Dia. | A.C.T. No.  | Price \$ |
|-------|--------|--------------|--------|------------|-------------|----------|
| 21/64 | 0.328  | 61           | 103    | 10         | 266463      | 68.41    |
| 11/32 | 0.3437 | 61           | 103    | 10         | 266902      | 68.41    |
| 23/64 | 0.3594 | 61           | 103    | 10         | 266903      | 72.96    |
| 3/8   | 0.3748 | 61           | 103    | 10         | 266725      | 72.96    |
| 25/64 | 0.3906 | 61           | 103    | 10         | 266904      | 72.96    |
| 13/32 | 0.4063 | 71           | 118    | 12         | 266905      | 106.57   |
| 7/16  | 0.4374 | 71           | 118    | 12         | 266906      | 106.57   |
| 15/32 | 0.4689 | 71           | 118    | 12         | 266907      | 106.57   |
| 1/2   | 0.5    | 77           | 124    | 14         | 266908      | 138.92   |
| 9/16  | 0.5626 | 83           | 133    | 16         | HP255-5626* | 174.06   |
| 5/8   | 0.6248 | 83           | 133    | 16         | HP255-6248* | 180.56   |
| 3/4   | 0.75   | 101          | 153    | 20         | HP255-7500* | 309.15   |

\*Manufacturer Part Number Listed.

## V-Series HSSCo Drills - 10xD - High Performance

### For Deep Hole Drilling

**Newly developed flute shape (Pat. P.) dramatically improves chip evacuation!**

It is capable of non-step drilling up to 20xD!

### No Coolant-Through? No Problem!

HELIOS® can achieve 20D with standard flood coolant (*No internal coolant drills needed*)

HELIOS® features four newly developed technologies including three patents pending!

1. Newly developed flat flute\*\*
2. Newly developed low-resistance thinning\*\*
3. Newly developed compound flute lead construction\*\*
4. Newly developed WXL coating for drills

**15xD & 20xD Also Available**



#### Helios Performance

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| <b>Size:</b>     | 1.6mm 20 x D                                                                        |
| <b>Material:</b> | 1050 Steel                                                                          |
| <b>Speed:</b>    | 65 SFM                                                                              |
| <b>Feed:</b>     | Up to 8mm: 2.5 IPM ( .0006 IPR) Non-Step<br>After 8mm: 3.6 IPM (.0009 IPR) Non-Step |
| <b>Depth:</b>    | 32mm (20D Blind)                                                                    |
| <b>Coolant:</b>  | Water Soluble                                                                       |
| <b>Machine:</b>  | Vertical Machining Center                                                           |

#### List 1750 - 10xD

| Fractional | mm    | Size<br>Inch | Flute<br>length | Overall<br>Length | Shank<br>Diameter | A.C.T. No. | Price \$ |
|------------|-------|--------------|-----------------|-------------------|-------------------|------------|----------|
| 5/64       | 1.98  | 0.0780       | 26              | 75                | 5/64              | 17542411*  | 22.83    |
| 3/32       | 2.38  | 0.0937       | 33              | 75                | 3/32              | 17543111*  | 25.18    |
| 7/64       | 2.78  | 0.1094       | 40              | 90                | 7/64              | 17543811*  | 28.84    |
| 1/8        | 3.18  | 0.1252       | 45              | 100               | 1/8               | 251480     | 27.73    |
| 9/64       | 3.57  | 0.1406       | 50              | 100               | 9/64              | 17544711*  | 32.78    |
| 5/32       | 3.97  | 0.1563       | 50              | 100               | 5/32              | 17545311*  | 35.02    |
| 11/64      | 4.37  | 0.1720       | 60              | 115               | 11/64             | 17545911*  | 41.74    |
| 3/16       | 4.76  | 0.1874       | 65              | 115               | 3/16              | 251479     | 44.55    |
| 13/64      | 5.16  | 0.2031       | 70              | 128               | 13/64             | 17547211*  | 47.34    |
| 7/32       | 5.56  | 0.2189       | 78              | 128               | 7/32              | 265845     | 50.71    |
| 15/64      | 5.95  | 0.2343       | 78              | 128               | 15/64             | 17548111*  | 57.43    |
| 1/4        | 6.35  | 0.2500       | 87              | 140               | 1/4               | 253246     | 65.00    |
| 17/64      | 6.75  | 0.2657       | 90              | 140               | 17/64             | 17548811*  | 73.11    |
| 9/32       | 7.14  | 0.2812       | 100             | 155               | 9/32              | 17549111*  | 118.51   |
| 19/64      | 7.54  | 0.2969       | 105             | 155               | 19/64             | 17549411*  | 118.51   |
| 5/16       | 7.94  | 0.3125       | 105             | 155               | 5/16              | 17549611*  | 94.13    |
| 21/64      | 8.33  | 0.3281       | 110             | 165               | 165               | 17549911*  | 119.35   |
| 11/32      | 8.73  | 0.3438       | 115             | 165               | 11/32             | 254768     | 187.69   |
| 23/64      | 9.13  | 0.3594       | 125             | 190               | 23/64             | 17550511*  | 172.85   |
| 3/8        | 9.53  | 0.3750       | 130             | 190               | 3/8               | 17550711*  | 199.12   |
| 25/64      | 9.92  | 0.3906       | 130             | 190               | 25/64             | 17551011*  | 189.95   |
| 13/32      | 10.32 | 0.4062       | 140             | 205               | 13/32             | 17551311*  | 153.80   |
| 27/64      | 10.72 | 0.4219       | 145             | 205               | 27/64             | 263665     | 198.62   |
| 7/16       | 11.11 | 0.4375       | 155             | 215               | 7/16              | 17551611*  | 237.01   |
| 29/64      | 11.51 | 0.4531       | 155             | 215               | 29/64             | 17551711*  | 237.01   |
| 15/32      | 11.91 | 0.4688       | 155             | 215               | 15/32             | 17551811*  | 237.01   |
| 1/2        | 12.70 | 0.5000       | 160             | 220               | 12.7              | 17552011*  | 237.01   |

\*\*Patent Pending

\*Manufacturer Part Number Listed.

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## VGx End Mills - High Performance



The VGx End Mill Series from OSG is a field proven milling tool with the capability of chatter free, high performance machining in a wide range of materials and milling applications.



### Square End - List VG441

| Dia. | O.A.L. | Length of Cut | Shank Dia. | A.C.T. No. | Price \$ |
|------|--------|---------------|------------|------------|----------|
| 1/8  | 1.1/2  | 3/8           | 1/8        | 260910     | 11.04    |
| 3/16 | 2      | 7/16          | 3/16       | 260911     | 15.43    |
| 1/4  | 2.1/2  | 3/4           | 1/4        | 260913     | 17.13    |
| 5/16 | 2.1/2  | 13/16         | 5/16       | 260914     | 24.35    |
| 3/8  | 2.1/2  | 7/8           | 3/8        | 260916     | 28.46    |
| 7/16 | 2.3/4  | 1             | 7/16       | 260917     | 42.36    |
| 1/2  | 2.1/2  | 5/8           | 1/2        | 260918     | 48.86    |
| 1/2  | 3      | 1             | 1/2        | 260919     | 53.10    |
| 1/2  | 3 1/2  | 1.1/4         | 1/2        | 260920     | 56.57    |
| 5/8  | 3      | 3/4           | 5/8        | 260925     | 90.36    |
| 5/8  | 3.1/2  | 1.1/4         | 5/8        | 260926     | 98.22    |
| 5/8  | 5      | 1.5/8         | 5/8        | 260927     | 122.77   |
| 3/4  | 3.1/2  | 7/8           | 3/4        | 260931     | 114.21   |
| 3/4  | 4      | 1.1/2         | 3/4        | 260932     | 121.54   |
| 3/4  | 4      | 1.5/8         | 3/4        | 260933     | 122.14   |
| 1    | 4      | 1.1/2         | 1          | 260937     | 227.28   |

### Ball Nose End - List VG441BN

| Dia.  | O.A.L. | Length of Cut | Shank Dia. | A.C.T. No.      | Price \$ |
|-------|--------|---------------|------------|-----------------|----------|
| 1/8   | 2      | 1/2           | 1/8        | VG441-1250-BN*  | 17.39    |
| 3/16  | 2 1/4  | 5/8           | 3/16       | VG441-1875-BN*  | 19.43    |
| 1/4   | 2 1/2  | 3/4           | 1/4        | VG441-2500-BN*  | 27.11    |
| 5/16  | 2 1/2  | 3/4           | 5/16       | VG441-3125-BN*  | 32.73    |
| 3/8   | 2 1/2  | 7/8           | 3/8        | VG441-3750-BN** | 40.39    |
| 7/16  | 2 1/2  | 7/8           | 7/16       | VG441-4375-BN** | 52.09    |
| 1/2   | 3      | 1             | 1/2        | VG441-5000-BN** | 64.41    |
| 1/2   | 3      | 1.1/4         | 1/2        | VG441-5010-BN** | 64.41    |
| 5/8   | 3 1/2  | 1.1/4         | 5/8        | VG441-6250-BN** | 122.20   |
| 3/4   | 4      | 1.1/2         | 3/4        | VG441-7500-BN** | 171.21   |
| 1     | 4      | 1.1/2         | 1          | VG441-1000-BN** | 252.43   |
| 1 1/4 | 5      | 2.1/4         | 1.1/4      | VG441-1010-BN** | 378.66   |

†Weldon shank

\*Manufacturer Part Number Listed.

## 2 & 4 Flute Solid Carbide End Mills - Series 402 (Center Cutting)



The industry standard. Wear resistance and minimal deflection for excellent size and control. For general purpose milling on slotting and production milling on contour machining.

**Select Bright finish as first choice for Aluminum and plastic applications**



**2 Flute  
Bright Finish**

**2 Flute  
TiAlN Finish**

**4 Flute  
Bright Finish**

**4 Flute  
TiAlN Finish**



Refer to OSG Catalogue for speeds and feeds.

Other 32<sup>nd</sup> & 64<sup>th</sup> sizes available under 1/2"

| Size  | Flute Length | O.A.L. | A.C.T. No. | Price \$ | A.C.T. No. | Price \$ | A.C.T. No. | Price \$ | A.C.T. No. | Price \$ |
|-------|--------------|--------|------------|----------|------------|----------|------------|----------|------------|----------|
| 1/16  | 3/16         | 1.1/2  | 146752     | 6.48     | 141865     | 7.86     | 146772     | 6.48     | 141934     | 7.86     |
| 3/32  | 5/16         | 1.1/2  | 146754     | 6.48     | 141867     | 8.05     | 146192     | 6.48     | 141935     | 8.05     |
| 1/8   | 1/2          | 1.1/2  | 146756     | 6.48     | 141869     | 8.05     | 146193     | 6.48     | 141936     | 8.05     |
| 5/32  | 9/16         | 2      | 146758     | 9.33     | 141894     | 11.34    | 146194     | 9.33     | 141937     | 11.34    |
| 3/16  | 5/8          | 2      | 146760     | 9.33     | 141910     | 11.34    | 146777     | 9.33     | 141938     | 11.34    |
| 7/32  | 5/8          | 2.1/2  | 146762     | 12.24    | 141915     | 16.34    | 146779     | 12.24    | 143946     | 16.34    |
| 1/4   | 3/4          | 2.1/2  | 138853     | 11.79    | 141916     | 15.90    | 146780     | 11.79    | 141939     | 15.90    |
| 9/32  | 3/4          | 2.1/2  | 146763     | 14.07    | 141917     | 20.19    | 146781     | 14.07    | 143947     | 20.19    |
| 5/16  | 13/16        | 2.1/2  | 146764     | 13.71    | 141918     | 19.83    | 146782     | 13.71    | 141940     | 19.83    |
| 11/32 | 7/8          | 2.1/2  | 146765     | 20.26    | 141920     | 26.39    | 146783     | 20.26    | 143948     | 26.39    |
| 3/8   | 1            | 2.1/2  | 146766     | 18.48    | 141922     | 24.60    | 146195     | 18.48    | 141941     | 24.60    |
| 13/32 | 1            | 2.3/4  | 146767     | 28.30    | 141923     | 35.89    | 146784     | 28.30    | 143950     | 35.89    |
| 7/16  | 1            | 2.3/4  | 146768     | 25.33    | 141924     | 32.91    | 146785     | 25.33    | 141942     | 32.91    |
| 1/2   | 1            | 3      | 126072     | 30.39    | 141925     | 37.97    | 146786     | 30.39    | 141943     | 37.97    |
| 9/16  | 1.1/8        | 3.1/2  | 126068     | 41.44    | 141926     | 52.40    | 146787     | 41.44    | 143715     | 52.40    |
| 5/8   | 1.1/4        | 3.1/2  | 127156     | 50.85    | 141927     | 61.80    | 146788     | 50.85    | 141944     | 61.80    |
| 11/16 | 1.3/8        | 4      | 146769     | 77.52    | 141930     | 90.51    | 146789     | 77.52    | 141945     | 90.51    |
| 3/4   | 1.1/2        | 4      | 127157     | 74.48    | 141931     | 87.45    | 146790     | 74.48    | 141946     | 87.45    |
| 7/8   | 1.1/2        | 4      | 146770     | 126.93   | 141932     | 146.02   | 146791     | 126.93   | 141947     | 146.02   |
| 1     | 1.1/2        | 4      | 127158     | 137.94   | 141933     | 157.03   | 146792     | 137.94   | 141948     | 157.03   |

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| Designation | Price \$ |
|-------------|----------|
| CNMG 331... | 7.05     |
| CNMG 332... | 7.05     |
| CNMG 431... | 8.45     |
| CNMG 432... | 8.45     |
| CNMG 433... | 8.44     |
| CNMG 434... | 8.45     |
| CNMG 542... | 14.53    |
| CNMG 543... | 14.53    |
| CNMG 544... | 14.53    |
| CNMG 642... | 19.11    |
| CNMG 642... | 20.86    |
| CNMG 643... | 19.11    |
| CNMG 644... | 19.11    |
| CNMG 866... | 46.53    |

DNMG

| Designation | Price \$ |
|-------------|----------|
| DNMG 330... | 9.50     |
| DNMG 331... | 9.50     |
| DNMG 332... | 9.50     |
| DNMG 333... | 9.50     |
| DNMG 431... | 11.88    |
| DNMG 432... | 11.88    |
| DNMG 433... | 11.88    |
| DNMG 441... | 13.40    |
| DNMG 442... | 13.40    |
| DNMG 443... | 13.40    |
| DNMG 444... | 13.40    |

SNMM

| Designation | Price \$ |
|-------------|----------|
| SNMM 432... | 7.90     |
| SNMM 434... | 7.90     |
| SNMM 543... | 13.64    |
| SNMM 544... | 13.64    |
| SNMM 546... | 13.64    |
| SNMM 644... | 16.94    |
| SNMM 646... | 16.94    |
| SNMM 866... | 39.65    |

VNMG

| Designation   | Price \$ |
|---------------|----------|
| VNMG 2.5-0... | 9.38     |
| VNMG 331...   | 13.03    |
| VNMG 332...   | 13.03    |
| VNMG 432...   | 15.20    |

CNMM

| Designation  | Price \$ |
|--------------|----------|
| CNMM 432...  | 8.45     |
| CNMM 433...  | 8.45     |
| CNMM 543...  | 14.53    |
| CNMM 544E... | 14.53    |
| CNMM 643...  | 19.11    |
| CNMM 644...  | 19.11    |
| CNMM 644...  | 20.86    |
| CNMM 644...  | 19.11    |
| CNMM 646...  | 19.11    |
| CNMM 866...  | 46.53    |

SNMG

| Designation | Price \$ |
|-------------|----------|
| SNMG 332... | 6.58     |
| SNMG 431... | 7.90     |
| SNMG 432... | 7.90     |
| SNMG 433... | 7.90     |
| SNMG 542... | 12.50    |
| SNMG 543... | 12.50    |
| SNMG 544... | 12.50    |
| SNMG 642... | 16.64    |
| SNMG 643... | 16.64    |
| SNMG 644... | 16.64    |
| SNMG 866... | 39.84    |

TNMG

| Designation | Price \$ |
|-------------|----------|
| TNMG 331... | 6.79     |
| TNMG 332... | 6.79     |
| TNMG 333... | 6.79     |
| TNMG 431... | 9.87     |
| TNMG 432... | 9.87     |
| TNMG 433... | 9.87     |
| TNMG 434... | 9.87     |
| TNMG 543... | 19.28    |
| TNMG 544... | 19.28    |

WNMG

| Designation | Price \$ |
|-------------|----------|
| WNMG 331... | 7.08     |
| WNMG 332... | 7.08     |
| WNMG 431... | 9.24     |
| WNMG 432... | 9.24     |
| WNMG 433... | 9.24     |

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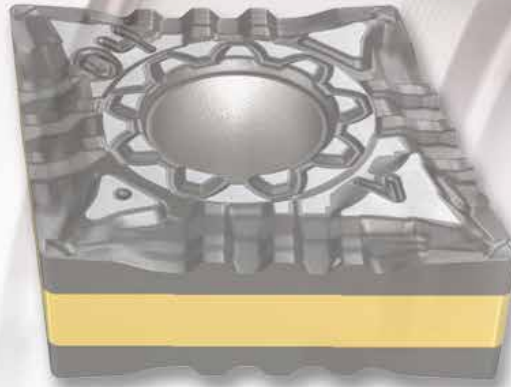
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**ECO**



**Standard**

**\*Minimum 20 of the purchased inserts must be the same.**

**Purchase 30 HM390 inserts and receive 50% off the corresponding cutter body (up to 3.00" dia.).**

**HELI***IQ***MILL**  
390 LINE

## Carbide Burrs - Master Cut

**Made in the U.S.A.**

### Shape A: Cylindrical - No End Cut

| Model No. | Head Dia. | Length of Cut | Shank Dia. | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|------------|------------|----------|
| SA-1      | 1/4       | 5/8           | 1/4        | 79807      | 7.24     |
| SA-3      | 3/8       | 3/4           | 1/4        | 79809      | 10.19    |
| SA-5      | 1/2       | 1             | 1/4        | 79811      | 15.89    |



### Shape B: Cylindrical - End Cut

| Model No. | Head Dia. | Length of Cut | Shank Dia. | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|------------|------------|----------|
| SB-1      | 1/4       | 5/8           | 1/4        | 79824      | 7.85     |
| SB-3      | 3/8       | 3/4           | 1/4        | 79825      | 11.20    |
| SB-5      | 1/2       | 1             | 1/4        | 79826      | 17.47    |



### Shape C: Cylindrical - Radius End

| Model No. | Head Dia. | Length of Cut | Shank Dia. | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|------------|------------|----------|
| SC-1      | 1/4       | 5/8           | 1/4        | 79828      | 8.43     |
| SC-3      | 3/8       | 3/4           | 1/4        | 79830      | 11.33    |
| SC-5      | 1/2       | 1             | 1/4        | 79832      | 17.83    |



### Shape D: Ball

| Model No. | Head Dia. | Length of Cut | Shank Dia. | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|------------|------------|----------|
| SD-1      | 1/4       | 1/4           | 1/4        | 79841      | 7.75     |
| SD-3      | 3/8       | 3/8           | 1/4        | 79843      | 9.30     |
| SD-5      | 1/2       | 1/2           | 1/4        | 79845      | 12.55    |



### Shape E: Oval

| Model No. | Head Dia. | Length of Cut | Shank Dia. | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|------------|------------|----------|
| SE-1      | 1/4       | 3/8           | 1/4        | 79857      | 9.46     |
| SE-3      | 3/8       | 5/8           | 1/4        | 79858      | 11.33    |
| SE-5      | 1/2       | 7/8           | 1/4        | 79859      | 16.61    |



### Shape F: Tree - Radius End

| Model No. | Head Dia. | Length of Cut | Shank Dia. | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|------------|------------|----------|
| SF-1      | 1/4       | 5/8           | 1/4        | 79865      | 8.79     |
| SF-3      | 3/8       | 3/4           | 1/4        | 79866      | 11.10    |
| SF-5      | 1/2       | 1             | 1/4        | 79868      | 16.41    |



### Shape G: Tree - Pointed End

| Model No. | Head Dia. | Length of Cut | Shank Dia. | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|------------|------------|----------|
| SG-1      | 1/4       | 5/8           | 1/4        | 79879      | 8.79     |
| SG-3      | 3/8       | 3/4           | 1/4        | 79881      | 11.84    |
| SG-5      | 1/2       | 1             | 1/4        | 79882      | 16.09    |



### Shape H: Flame

| Model No. | Head Dia. | Length of Cut | Shank Dia. | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|------------|------------|----------|
| SH-2      | 5/16      | 3/4           | 1/4        | 79890      | 11.64    |
| SH-5      | 1/2       | 1.1/4         | 1/4        | 79891      | 23.75    |



\*Pointed End

### Shape L: Taper - 14° Angle

| Model No. | Head Dia. | Length of Cut | Shank Dia. | included Angle | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|------------|----------------|------------|----------|
| SL-1      | 1/4       | 5/8           | 1/4        | 14°            | 79909      | 9.01     |
| SL-3      | 3/8       | 1.1/16        | 1/4        | 14°            | 79911      | 14.16    |
| SL-5      | 5/8       | 1.5/16        | 1/4        | 14°            | 79913      | 30.93    |



### Shape M: Taper

| Model No. | Head Dia. | Length of Cut | Shank Dia. | included Angle | A.C.T. No. | Price \$ |
|-----------|-----------|---------------|------------|----------------|------------|----------|
| SM-1      | 1/4       | 1/2           | 1/4        | 22°            | 79923      | 8.52     |
| SM-3      | 1/4       | 1             | 1/4        | 10°            | 79925      | 9.62     |
| SM-5      | 1/2       | 7/8           | 1/4        | 28°            | 79927      | 17.79    |



## Broach Sets



### #20 Dumont C/B Broach Set - 47 Keyway Combinations

| Model No. | Keyway Sizes | Broach Style | Bushing Dia. (Bore Sizes)                                                   | A.C.T. No. | Price \$ |
|-----------|--------------|--------------|-----------------------------------------------------------------------------|------------|----------|
| 605504    | 1/8 3/16     | B            | 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8                                      | 69153      | 604.33   |
|           | 1/4 5/16 3/8 | C            | 15/16 1/ 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16 |            |          |

### #40 Dumont C/B Broach Set - 32 Keyway Combinations

| Model No. | Keyway Sizes         | Broach Style | Bushing Dia (Bore Sizes)                                           | A.C.T. No. | Price \$ |
|-----------|----------------------|--------------|--------------------------------------------------------------------|------------|----------|
| 605506    | 5/16, 3/8, 7/16, 1/2 | D            | 1-7/16, 1-9/16, 1-11/16, 1-13/16, 1-15/16, 2-3/16, 2-7/16, 2-15/16 | 126383     | 774.30   |

### #50 Heavy Duty Set - 29 Keyway Combinations

| Model No. | Keyway Sizes | Broach Style | Bushing Dia (Bore Sizes)                                                                | A.C.T. No. | Price \$ |
|-----------|--------------|--------------|-----------------------------------------------------------------------------------------|------------|----------|
| 605509    | 1/2          | D            | 2, 2-1/16, 2-1/8, 2-3/16, 2-1/4                                                         | 83135      | 1,485.53 |
|           | 5/8 3/4      | E            | 2-5/16, 2-3/8, 2-7/16, 2-1/2, 2-9/16, 2-5/8, 2-11/16, 2-3/4, 2-13/16, 2-7/8, 2-15/16, 3 |            |          |

\*Manufacturer Part Number Listed.

**26 FALL-WINTER 2013-2014**  
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# A.C.T. Offers a Complete Bandsawing Program

## Our commitment to you, our customer, is:

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- Decrease your cost per cut
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- Major repairs to bandsaw machines
- Handle general problems related to bandsaw blades
- Run trials
- Tweaking & minor repairs to your bandsaw machine(s)
- Training at customer's site to include:
  - Seminars
  - Sawing basics – hands on – speeds & feeds
  - What to look for
  - Problem solving
  - Product knowledge and recommendations

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## Our product offering includes:

- Cobra
- TOP FAB
- King Cobra / King Cobra PQ
- Carbide
- Portable Bandsaw Blades

**Complete line of coolants – for both, bandsaw and CNC machines.**



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## TOP FAB Bandsaw Blades



**Cuts:**  
Channel, Bundles, Angle Iron, I-Beam, H-Beam,  
Structural Steel, Square & Round Tubes

**Features:**  
Patented tooth design makes the teeth stronger,  
longer lasting and more resistant to tooth stripping.

M42 bi-metal material offers longer blade life.

| Size (W x L) | Pitch | A.C.T. No. | Reg. Price \$ | Sale Price \$ |
|--------------|-------|------------|---------------|---------------|
| 13' 6" x 1"  | 4-6   | 220245     | 73.68         | 46.26         |
| 13' 6" x 1"  | 5-8   | 216983     | 73.68         | 46.26         |

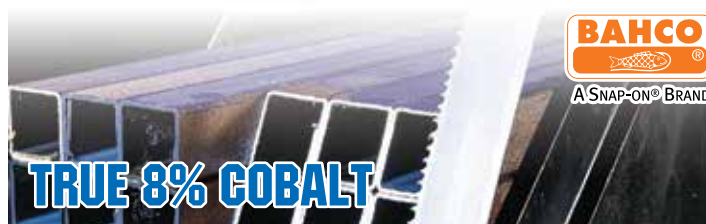
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## SANDFLEX - M42 Bandsaw Blades

This all-purpose M42, (with 8% cobalt), blade cuts a wide variety of material without having to change blades. Contact our in-house Bandsaw Specialist for recommended speeds & feeds.



### 13' 3" x 1"

| Pitch | A.C.T. No. | Price \$ |
|-------|------------|----------|
| 2-3   | 198058     | 42.21    |
| 3-4   | 161822     | 42.21    |
| 4-6   | 161820     | 42.21    |
| 5-8   | 158925     | 42.21    |
| 6-10  | 161821     | 42.21    |
| 8-12  | 210211     | 42.21    |

### 13' 6" x 1"

| Pitch | A.C.T. No. | Price \$ |
|-------|------------|----------|
| 2-3   | 174564     | 42.21    |
| 3-4   | 157573     | 42.21    |
| 4-6   | 157572     | 42.21    |
| 5-8   | 157489     | 42.21    |
| 6-10  | 157562     | 42.21    |
| 8-12  | 188768     | 42.21    |
| 10-14 | 180139     | 42.21    |

**FALL-WINTER 2013-2014 27**  
**A.C.T. EQUIPMENT SALES LTD.**

## Jobber Drills - Fractional



**240-UB** – Ultra Bor™ Super Premium. 135° Split Point, special Hi-Molybdenum tool steel. Drills are heat treated and nitro-carburize finished to be measurably harder than high speed steel. Nitro-carburized steel withstands substantially higher drilling temperatures while maintaining sharpness. Recommended for use in work hardening grades of stainless steel and other hard metal drilling applications.

**240-AQF** – These heavy-duty 135° Split Point are the same as the 240-UB with three flats on the shank to give positive chuck grip, (3/16" and larger). These drills are ideal for use with hand held drills with keyless chucks.

**240** – This 118° point, H.S.S. drill performs well in a wide variety of ferrous metal drill applications. The black oxide surface treatment prevents chip welding and increases abrasion resistance.



| Size  | Flute Length | O.A.L. | 240-UB<br>A.C.T. No. | PKG<br>QTY | Price \$<br>per ea. | 240-AQF<br>A.C.T. No. | PKG<br>QTY | Price \$<br>per ea. | 240<br>A.C.T. No. | PKG<br>QTY | Price \$<br>per ea. |
|-------|--------------|--------|----------------------|------------|---------------------|-----------------------|------------|---------------------|-------------------|------------|---------------------|
| 1/64  | 3/16         | 3/4    | –                    | –          | –                   | –                     | –          | –                   | 205669            | 12         | 2.24                |
| 1/32  | 1/2          | 1.3/8  | –                    | –          | –                   | –                     | –          | –                   | 205670            | 12         | 1.21                |
| 3/64  | 3/4          | 1.3/4  | –                    | –          | –                   | –                     | –          | –                   | 205671            | 12         | 0.82                |
| 1/16  | 7/8          | 1.7/8  | 206091               | 12         | 0.98                | 207441                | 12         | 0.74                | 205672            | 12         | 0.79                |
| 5/64  | 1            | 2      | 206092               | 12         | 0.99                | 207442                | 12         | 0.77                | 205673            | 12         | 0.79                |
| 3/32  | 1.1/4        | 2.1/4  | 206094               | 12         | 0.99                | 207443                | 12         | 0.78                | 205674            | 12         | 0.79                |
| 7/64  | 1.1/2        | 2.5/8  | 206095               | 12         | 1.06                | 207444                | 12         | 0.83                | 205675            | 12         | 0.84                |
| 1/8   | 1.5/8        | 2.3/4  | 206096               | 12         | 1.23                | 207445                | 12         | 0.95                | 205676            | 12         | 0.85                |
| 9/64  | 1.3/4        | 2.7/8  | 206097               | 12         | 1.24                | 207446                | 12         | 1.01                | 205677            | 12         | 0.95                |
| 5/32  | 2            | 3.1/8  | 206098               | 12         | 1.30                | 207447                | 12         | 1.07                | 205678            | 12         | 0.96                |
| 11/64 | 2.1/8        | 3.1/4  | 206099               | 12         | 1.32                | 207452                | 12         | 1.11                | 205679            | 12         | 1.03                |
| 3/16  | 2.5/8        | 3.1/2  | 206100               | 12         | 1.61                | 207453                | 12         | 1.52                | 205680            | 12         | 1.14                |
| 13/64 | 2.7/16       | 3.5/8  | 206102               | 12         | 1.79                | 207454                | 12         | 1.69                | 205910            | 12         | 1.29                |
| 7/32  | 2.1/2        | 3.3/4  | 206103               | 12         | 1.90                | 207455                | 12         | 1.71                | 205911            | 12         | 1.39                |
| 15/64 | 2.5/8        | 3.7/8  | 206104               | 12         | 2.03                | 207456                | 12         | 1.85                | 205912            | 12         | 1.52                |
| 1/4   | 2.3/4        | 4      | 206112               | 12         | 2.14                | 207457                | 12         | 2.01                | 205913            | 12         | 1.63                |
| 17/64 | 2.7/8        | 4.1/8  | 206113               | 12         | 2.58                | 207458                | 12         | 2.42                | 205914            | 12         | 1.95                |
| 9/32  | 2.15/16      | 4.1/4  | 206114               | 12         | 2.79                | 207459                | 12         | 2.58                | 205915            | 12         | 2.05                |
| 19/64 | 3.1/16       | 4.3/8  | 206115               | 6          | 3.17                | 207460                | 6          | 2.91                | 205916            | 6          | 2.38                |
| 5/16  | 3.3/16       | 4.1/2  | 206117               | 6          | 3.37                | 207461                | 6          | 3.08                | 205983            | 6          | 2.58                |
| 21/64 | 3.5/16       | 4.5/8  | 206118               | 6          | 3.62                | 207462                | 6          | 3.26                | 205984            | 6          | 2.89                |
| 11/32 | 3.7/16       | 4.3/4  | 206120               | 6          | 4.15                | 207463                | 6          | 3.84                | 205985            | 6          | 3.26                |
| 23/64 | 3.1/2        | 4.7/8  | 206124               | 6          | 4.52                | 207464                | 6          | 4.09                | 205986            | 6          | 3.64                |
| 3/8   | 3.5/8        | 5      | 206125               | 6          | 4.80                | 207465                | 6          | 4.45                | 205987            | 6          | 3.75                |
| 25/64 | 3.3/4        | 5.1/8  | 206126               | 6          | 5.35                | 207466                | 6          | 4.84                | 205988            | 6          | 4.35                |
| 13/32 | 3.7/8        | 5.1/4  | 206127               | 6          | 5.52                | 207467                | 6          | 5.11                | 205989            | 6          | 4.49                |
| 27/64 | 3.15/16      | 5.3/8  | 206128               | 6          | 5.81                | 207468                | 6          | 5.35                | 205990            | 6          | 4.95                |
| 7/16  | 4.1/16       | 5.1/2  | 206129               | 6          | 6.45                | 207469                | 6          | 5.98                | 205991            | 6          | 5.17                |
| 29/64 | 4.3/16       | 5.5/8  | 206130               | 6          | 7.49                | 207470                | 6          | 6.60                | 205992            | 6          | 5.80                |
| 15/32 | 4.5/16       | 5.3/4  | 206131               | 6          | 7.61                | 207471                | 6          | 7.02                | 205993            | 6          | 6.17                |
| 31/64 | 4.3/8        | 5.7/8  | 206132               | 6          | 8.00                | 207472                | 6          | 7.22                | 205994            | 6          | 6.47                |
| 1/2   | 4.1/2        | 6      | 206133               | 6          | 8.15                | 207473                | 6          | 7.44                | 205995            | 6          | 6.59                |



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Keep track of who  
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## Jobber Drill Sets - Professional Series

Heavy-Duty Jobber Length Drills,  
135° Split Point with Black Finish.



**BLACK  
OXIDE**



### 240

| Model No. | Description                                 | A.C.T. No. | Price \$ |
|-----------|---------------------------------------------|------------|----------|
| A-29      | 29pc Set (1/16" - 1/2" by 1/64" increments) | 240664     | 94.45    |

## Jobber Drill Sets - Super Premium

Super Premium Heavy-Duty 135° Split Point, Black & Gold Jobber Length Sets. Gold Treatment for Maximum Lubricity and Torsional Strength.



### 240-UB

| Model No. | Description                                 | A.C.T. No. | Price \$ |
|-----------|---------------------------------------------|------------|----------|
| SP-29     | 29pc Set (1/16" - 1/2" by 1/64" increments) | 220799     | 109.76   |

## Jobber Drill Sets - Shank with 3 Flats



**240-AQF Drill Sets** – These heavy-duty 135° Split Point are the same as the 240-UB with three flats on the shank to give positive chuck grip, (3/16" and larger). These drills are ideal for use with hand held drills with keyless chucks.

### 240-AQF

| Model No. | Description                                 | A.C.T. No. | Price \$ |
|-----------|---------------------------------------------|------------|----------|
| AQF-13    | 13pc Set (1/16" - 1/4" by 1/64" increments) | 220150     | 20.91    |
| AQF-21    | 21pc Set (1/16" - 3/8" by 1/64" increments) | 220151     | 51.17    |
| AQF-29    | 29pc Set (1/16" - 1/2" by 1/64" increments) | 220139     | 102.32   |

## Deburring Tools

**The tool that revolutionized deburring operations!**

- Swivel blade follows contour of the part
- Economical: Replace only the blade
- Handles and holders are reused

### B-Set - Classic Handle

| Set No. | Handle Style | Includes                         | A.C.T. No. | Price \$ |
|---------|--------------|----------------------------------|------------|----------|
| 550-801 | CLASSIC      | 1 Handle + 1 B10 and 1 B20 Blade | 53626      | 11.20    |

### Deburring Tool Sets

| Set No. | Handle Style | Includes                                                           | A.C.T. No. | Price \$ |
|---------|--------------|--------------------------------------------------------------------|------------|----------|
| 550-990 | MANGO        | 1 Plain Handle + 12 B10 Blades                                     | 215351     | 9.71     |
| 550-600 | MANGO        | 1 Handle + 1 B10 & 1 B20 Blade with Extension                      | 194971     | 11.20    |
| 550-992 | MANGO II     | 1 Handle + 12 B10 Blades                                           | 239298     | 8.69     |
| 550-996 | MANGO II     | 1 Handle Plus Long Reach Telescoping Blade Holder + 10 B10 Blades  | 264865     | 18.23    |
| 550-997 | MANGO II     | 1 Handle Plus Long Reach Telescoping Blade Holder + 10 E100 Blades | 264866     | 16.17    |

**Note:** Mango II features a smaller handle with classic retractable lock ring

### B10 Replacement Blade

| Set No. | A.C.T. No. | Price \$* |
|---------|------------|-----------|
| 550-832 | 53645      | 0.86      |



### B10P TiN Coated Blade

| Set No. | A.C.T. No. | Price \$* |
|---------|------------|-----------|
| 550-633 | 111181     | 1.60      |



### B30P TiN Coated Blade

| Set No. | A.C.T. No. | Price \$* |
|---------|------------|-----------|
| 550-845 | 226815     | 2.17      |



### B20 Replacement Blade

| Set No. | A.C.T. No. | Price \$* |
|---------|------------|-----------|
| 550-838 | 53646      | 0.86      |



### B20P TiN Coated Blade

| Set No. | A.C.T. No. | Price \$* |
|---------|------------|-----------|
| 550-634 | 118218     | 1.60      |



**\*Deburring Blades - Priced Per Each When Purchasing Package of 10**

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**FALL-WINTER 2013-2014 29**  
**A.C.T. EQUIPMENT SALES LTD.**

## Morse Taper Shank Drills

**Type 510** – Regular Shank, Surface Treated. Taper shank drills are made to fit tapered holders. They are designed to perform well under a variety of normal conditions in a wide range of materials.

**Great Selection!  
Great Savings!**



| Size  | Shank MT | Flute Length | O.A.L. | A.C.T. No. | Price \$ |
|-------|----------|--------------|--------|------------|----------|
| 1/8   | 1        | 1.7/8        | 5.1/8  | 223461     | 14.34    |
| 9/64  | 1        | 2.1/8        | 5.3/8  | 223462     | 14.77    |
| 5/32  | 1        | 2.1/8        | 5.3/8  | 223463     | 14.34    |
| 11/64 | 1        | 2.1/2        | 5.3/4  | 223464     | 14.77    |
| 3/16  | 1        | 2.1/2        | 5.3/4  | 223465     | 9.99     |
| 13/64 | 1        | 2.3/4        | 6      | 223466     | 10.98    |
| 7/32  | 1        | 2.3/4        | 6      | 223467     | 10.66    |
| 15/64 | 1        | 2.7/8        | 6.1/8  | 223468     | 12.56    |
| 1/4   | 1        | 2.7/8        | 6.1/8  | 223469     | 11.08    |
| 17/64 | 1        | 3            | 6.1/4  | 223470     | 12.13    |
| 9/32  | 1        | 3            | 6.1/4  | 223471     | 11.77    |
| 19/64 | 1        | 3.1/8        | 6.3/8  | 223472     | 15.04    |
| 5/16  | 1        | 3.1/8        | 6.3/8  | 223473     | 11.88    |
| 21/64 | 1        | 3.1/4        | 6.1/2  | 214524     | 16.49    |
| 11/32 | 1        | 3.1/4        | 6.1/2  | 223474     | 17.42    |
| 23/64 | 1        | 3.1/2        | 6.3/4  | 223475     | 19.10    |
| 3/8   | 1        | 3.1/2        | 6.3/4  | 223476     | 18.54    |
| 25/64 | 1        | 3.5/8        | 7      | 223477     | 19.78    |
| 13/32 | 1        | 3.5/8        | 7      | 223478     | 18.54    |
| 27/64 | 1        | 3.7/8        | 7.1/4  | 223479     | 21.10    |
| 7/16  | 1        | 3.7/8        | 7.1/4  | 223480     | 17.09    |
| 29/64 | 1        | 4.1/8        | 7.1/2  | 223481     | 18.73    |
| 15/32 | 1        | 4.1/8        | 7.1/2  | 223482     | 19.60    |
| 31/64 | 2        | 4.3/8        | 8.1/4  | 223483     | 22.49    |
| 1/2   | 2        | 4.3/8        | 8.1/4  | 211722     | 21.26    |
| 33/64 | 2        | 4.5/8        | 8.1/2  | 211723     | 24.25    |
| 17/32 | 2        | 4.5/8        | 8.1/2  | 211724     | 23.75    |
| 35/64 | 2        | 4.7/8        | 8.3/4  | 211725     | 26.48    |
| 9/16  | 2        | 4.7/8        | 8.3/4  | 211726     | 25.90    |
| 37/64 | 2        | 4.7/8        | 8.3/4  | 211727     | 28.06    |
| 19/32 | 2        | 4.7/8        | 8.3/4  | 211728     | 27.61    |
| 39/64 | 2        | 4.7/8        | 8.3/4  | 211729     | 29.34    |
| 5/8   | 2        | 4.7/8        | 8.3/4  | 211730     | 28.33    |
| 41/64 | 2        | 5.1/8        | 9      | 211731     | 32.34    |
| 21/32 | 2        | 5.1/8        | 9      | 211732     | 31.29    |
| 43/64 | 2        | 5.3/8        | 9.1/4  | 211733     | 34.69    |
| 11/16 | 2        | 5.3/8        | 9.1/4  | 211734     | 32.91    |
| 45/64 | 2        | 5.5/8        | 9.1/2  | 211735     | 36.15    |
| 23/32 | 2        | 5.5/8        | 9.1/2  | 211736     | 34.92    |
| 47/64 | 2        | 5.7/8        | 9.3/4  | 211737     | 38.35    |
| 3/4   | 2        | 5.7/8        | 9.3/4  | 211738     | 38.35    |
| 49/64 | 2        | 6            | 9.7/8  | 211739     | 45.54    |
| 25/32 | 2        | 6            | 9.7/8  | 211740     | 44.50    |
| 51/64 | 3        | 6.1/8        | 10.3/4 | 211741     | 49.84    |
| 13/16 | 3        | 6.1/8        | 10.3/4 | 211742     | 46.84    |
| 53/64 | 3        | 6.1/8        | 10.3/4 | 211743     | 51.95    |
| 27/32 | 3        | 6.1/8        | 10.3/4 | 211744     | 50.31    |
| 55/64 | 3        | 6.1/8        | 10.3/4 | 211745     | 53.78    |
| 7/8   | 3        | 6.1/8        | 10.3/4 | 211746     | 51.95    |
| 57/64 | 3        | 6.1/8        | 10.3/4 | 211747     | 54.94    |
| 29/32 | 3        | 6.1/8        | 10.3/4 | 211748     | 56.19    |
| 59/64 | 3        | 6.1/8        | 10.3/4 | 211749     | 56.66    |

| Size    | Shank MT | Flute Length | O.A.L. | A.C.T. No. | Price \$ |
|---------|----------|--------------|--------|------------|----------|
| 15/16   | 3        | 6.1/8        | 10.3/4 | 211796     | 53.31    |
| 51/64   | 3        | 6.3/8        | 11     | 211183     | 58.42    |
| 31/32   | 3        | 6.3/8        | 11     | 211797     | 58.04    |
| 63/64   | 3        | 6.3/8        | 11     | 211184     | 62.04    |
| 1       | 3        | 6.3/8        | 11     | 211798     | 59.60    |
| 1.1/32  | 3        | 6.1/2        | 11.1/8 | 223484     | 66.09    |
| 1.3/64  | 3        | 6.5/8        | 11.1/4 | 223490     | 72.08    |
| 1.1/16  | 3        | 6.5/8        | 11.1/4 | 211185     | 68.69    |
| 1.3/32  | 4        | 6.7/8        | 12.1/2 | 223491     | 80.11    |
| 1.7/64  | 4        | 7.1/8        | 12.3/4 | 211187     | 86.47    |
| 1.1/8   | 4        | 7.1/8        | 12.3/4 | 211800     | 84.10    |
| 1.5/32  | 4        | 7.1/4        | 12.7/8 | 223492     | 87.18    |
| 1.11/64 | 4        | 7.3/8        | 13     | 223498     | 92.65    |
| 1.3/16  | 4        | 7.3/8        | 13     | 211188     | 91.64    |
| 1.7/32  | 4        | 7.1/2        | 13.1/8 | 223499     | 97.68    |
| 1.1/4   | 4        | 7.7/8        | 13.1/2 | 211812     | 103.11   |
| 1.9/32  | 4        | 8.1/2        | 14.1/8 | 223500     | 123.64   |
| 1.19/64 | 4        | 8.5/8        | 14.1/4 | 223501     | 132.75   |
| 1.5/16  | 4        | 8.5/8        | 14.1/4 | 211813     | 125.55   |
| 1.11/32 | 4        | 8.3/4        | 14.3/8 | 223502     | 132.75   |
| 1.3/8   | 4        | 8.7/8        | 14.1/2 | 211814     | 134.72   |
| 1.13/32 | 4        | 9            | 14.5/8 | 223503     | 144.19   |
| 1.27/64 | 4        | 9.1/8        | 14.3/4 | 223504     | 149.22   |
| 1.7/16  | 4        | 9.1/8        | 14.3/4 | 223505     | 145.68   |
| 1.15/32 | 4        | 9.1/4        | 14.7/8 | 223506     | 155.33   |
| 1.1/2   | 4        | 9.3/8        | 15     | 211815     | 156.38   |
| 1.17/32 | 5        | 9.3/8        | 16.3/8 | 223507     | 180.72   |
| 1.9/16  | 5        | 9.5/8        | 16.5/8 | 223508     | 189.17   |
| 1.19/32 | 5        | 9.7/8        | 16.7/8 | 223509     | 204.53   |
| 1.5/8   | 5        | 10           | 17     | 223510     | 209.05   |
| 1.21/32 | 5        | 10.1/8       | 17.1/8 | 223511     | 219.95   |
| 1.11/16 | 5        | 10.1/8       | 17.1/8 | 223512     | 225.44   |
| 1.23/32 | 5        | 10.1/8       | 17.1/8 | 223513     | 236.62   |
| 1.3/4   | 5        | 10.1/8       | 17.1/8 | 223514     | 241.44   |
| 1.25/32 | 5        | 10.1/8       | 17.1/8 | 223515     | 250.82   |
| 1.13/16 | 5        | 10.1/8       | 17.1/8 | 211193     | 257.31   |
| 1.27/32 | 5        | 10.1/8       | 17.1/8 | 223519     | 268.75   |
| 1.7/8   | 5        | 10.3/8       | 17.3/8 | 223520     | 269.27   |
| 1.29/32 | 5        | 10.3/8       | 17.3/8 | 223521     | 280.94   |
| 1.15/16 | 5        | 10.3/8       | 17.3/8 | 223522     | 289.71   |
| 1.31/32 | 5        | 10.3/8       | 17.3/8 | 211194     | 296.05   |
| 2       | 5        | 10.3/8       | 17.3/8 | 223523     | 298.43   |
| 2.1/8   | 5        | 10.1/4       | 17.3/8 | 223524     | 336.90   |
| 2.7/32  | 5        | 10.1/8       | 17.3/8 | 223525     | 378.71   |
| 2.1/4   | 5        | 10.1/8       | 17.3/8 | 223526     | 381.62   |
| 2.3/8   | 5        | 10.1/8       | 17.3/8 | 223527     | 423.33   |
| 2.1/2   | 5        | 11.1/4       | 18.3/4 | 223528     | 551.99   |
| 2.5/8   | 5        | 11.7/8       | 19.1/2 | 223529     | 646.52   |
| 2.3/4   | 5        | 12.3/4       | 20.3/8 | 223530     | 719.39   |
| 2.7/8   | 5        | 13.3/8       | 21.1/8 | 223531     | 826.36   |
| 3       | 5        | 14           | 21.3/4 | 223532     | 908.94   |

**MADE IN  
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## Prentice Drills (Reduced Shank) 1/2" Shank

**280-UB with 3 Flats Shank** – Special Hi-Molybdenum tool steel with 135° split point for faster penetration and accurate starting without a center punch. Precision ground point, flutes, body, clearance and drill diameter for ultimate accuracy and performance.



▲ 280-UB



| Size   | O.A.L. | A.C.T. No. | Price \$ |
|--------|--------|------------|----------|
| 33/64  | 6      | 211216     | 18.95    |
| 17/32  | 6      | 210617     | 18.06    |
| 35/64  | 6      | 210618     | 20.19    |
| 9/16   | 6      | 207941     | 19.23    |
| 37/64  | 6      | 207052     | 21.67    |
| 19/32  | 6      | 207053     | 20.66    |
| 39/64  | 6      | 207054     | 22.70    |
| 5/8    | 6      | 211217     | 21.65    |
| 41/64  | 6      | 207055     | 24.23    |
| 21/32  | 6      | 207056     | 23.07    |
| 43/64  | 6      | 210619     | 25.17    |
| 11/16  | 6      | 211219     | 23.97    |
| 45/64  | 6      | 211220     | 26.68    |
| 23/32  | 6      | 210621     | 25.39    |
| 47/64  | 6      | 210620     | 27.79    |
| 3/4    | 6      | 207819     | 26.46    |
| 49/64  | 6      | 211221     | 29.47    |
| 25/32  | 6      | 207902     | 28.08    |
| 51/64  | 6      | 207901     | 29.49    |
| 13/16  | 6      | 211222     | 29.49    |
| 53/64  | 6      | 207900     | 30.79    |
| 27/32  | 6      | 207899     | 30.79    |
| 55/64  | 6      | 207898     | 31.96    |
| 7/8    | 6      | 211225     | 31.96    |
| 57/64  | 6      | 211226     | 33.39    |
| 29/32  | 6      | 211227     | 33.39    |
| 59/64  | 6      | 211240     | 35.73    |
| 15/16  | 6      | 211242     | 35.73    |
| 61/64  | 6      | 211243     | 37.73    |
| 31/32  | 6      | 211244     | 37.73    |
| 63/64  | 6      | 211245     | 41.62    |
| 1      | 6      | 211246     | 41.62    |
| 1.1/16 | 6      | 211249     | 50.31    |
| 1.1/8  | 6      | 211252     | 55.04    |
| 1.5/32 | 6      | 211253     | 57.34    |
| 1.3/16 | 6      | 211254     | 58.61    |
| 1.1/4  | 6      | 211256     | 64.56    |

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Phone: 204.783.3210  
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## Stub Length Drills Ultra Bor™ Super Premium



**260-UB** – Special Hi-Molybdenum tool steel. Gold surface treated body and clearance for maximum lubricity. Heavy duty construction, 135° split point, no center punch needed - will not walk. Recommended for work hardening grades of stainless steel and other hard metal drilling applications.

● 260-UB



**Great Selection!  
Great Savings!**

| Size  | O.A.L.  | Flute Length | A.C.T. No. | Price \$ |
|-------|---------|--------------|------------|----------|
| 1/16  | 1.5/8   | 5/8          | 206265     | 1.06     |
| 5/64  | 1.11/16 | 11/16        | 206266     | 1.06     |
| 3/32  | 1.3/4   | 3/4          | 206267     | 1.06     |
| 7/64  | 1.13/16 | 13/16        | 206268     | 1.06     |
| 1/8   | 1.7/8   | 7/8          | 206269     | 1.06     |
| 9/64  | 1.15/16 | 15/16        | 206270     | 1.08     |
| 5/32  | 2.1/16  | 1            | 206271     | 1.18     |
| 11/64 | 2.1/8   | 1.1/16       | 206272     | 1.32     |
| 3/16  | 2.3/16  | 1.1/8        | 206273     | 1.37     |
| 13/64 | 2.1/4   | 1.3/16       | 206274     | 1.46     |
| 7/32  | 2.3/8   | 1.1/4        | 206275     | 1.73     |
| 15/64 | 2.7/16  | 1.5/16       | 206276     | 1.74     |
| 1/4   | 2.1/2   | 1.3/8        | 206277     | 1.85     |
| 17/64 | 2.5/8   | 1.7/16       | 206278     | 2.16     |
| 9/32  | 2.11/16 | 1.1/2        | 206279     | 2.34     |
| 19/64 | 2.3/4   | 1.9/16       | 206280     | 2.48     |
| 5/16  | 2.13/16 | 1.5/8        | 206281     | 2.71     |
| 21/64 | 2.15/16 | 1.11/16      | 206282     | 2.94     |
| 11/32 | 3       | 1.11/16      | 206283     | 3.32     |
| 23/64 | 3.1/16  | 1.3/4        | 206284     | 3.86     |
| 3/8   | 3.1/8   | 1.13/16      | 206285     | 4.04     |
| 25/64 | 3.1/4   | 1.7/8        | 206286     | 4.55     |
| 13/32 | 3.5/16  | 1.15/16      | 206287     | 4.83     |
| 27/64 | 3.3/8   | 2            | 206288     | 5.23     |
| 7/16  | 3.7/16  | 2.1/16       | 206289     | 5.36     |
| 29/64 | 3.9/16  | 2.1/8        | 206290     | 6.35     |
| 15/32 | 3.5/8   | 2.1/8        | 206291     | 6.75     |
| 31/64 | 3.11/16 | 2.3/16       | 206292     | 6.95     |
| 1/2   | 3.3/4   | 2.1/4        | 206293     | 6.95     |



## Center Drills



Combined drills and countersinks have an included angle of 60° and a point angle of 118°.

| Model No. | Pilot Dia. | Body Dia. | O.A.L. | A.C.T. No. | Price \$ |
|-----------|------------|-----------|--------|------------|----------|
| #1        | 3/64       | 1/8       | 1.1/4  | 223765     | 4.40     |
| #2        | 5/64       | 3/16      | 1.7/8  | 223766     | 4.40     |
| #3        | 7/64       | 1/4       | 2      | 223767     | 4.40     |
| #4        | 1/8        | 5/16      | 2.1/8  | 223768     | 4.40     |
| #5        | 3/16       | 7/16      | 2.3/4  | 223769     | 8.71     |
| #6        | 7/32       | 1/2       | 3      | 223770     | 13.06    |
| #7        | 1/4        | 5/8       | 3.1/4  | 223771     | 17.24    |
| #8        | 5/16       | 3/4       | 3.1/2  | 223772     | 23.38    |

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**A.C.T. EQUIPMENT SALES LTD.**

## HSCO M42 Two Flute End Mills



- Two helical flutes
- Single end **with weldon shank**
- Center cutting
- Keyway tolerance

| Size  | Shank Dia. | Flute Length | O.A.L. | A.C.T. No. | Price \$ |
|-------|------------|--------------|--------|------------|----------|
| 1/8   | 3/8        | 3/8          | 2.5/16 | 104971     | 10.16    |
| 5/32  | 3/8        | 7/16         | 2.5/16 | 95992      | 10.16    |
| 3/16  | 3/8        | 7/16         | 2.5/16 | 103794     | 10.16    |
| 7/32  | 3/8        | 1/2          | 2.5/16 | 111967     | 10.16    |
| 1/4   | 3/8        | 1/2          | 2.5/16 | 83937      | 10.16    |
| 9/32  | 3/8        | 9/16         | 2.5/16 | 83663      | 10.16    |
| 5/16  | 3/8        | 9/16         | 2.5/16 | 103537     | 10.16    |
| 11/32 | 3/8        | 9/16         | 2.5/16 | 113889     | 10.16    |
| 3/8   | 3/8        | 9/16         | 2.5/16 | 89318      | 10.16    |
| 13/32 | 3/8        | 13/16        | 2.1/2  | 114335     | 15.36    |
| 7/16  | 3/8        | 13/16        | 2.1/2  | 86204      | 15.36    |
| 15/32 | 3/8        | 13/16        | 2.1/2  | 118471     | 15.36    |
| 1/2   | 1/2        | 1            | 3      | 87699      | 15.36    |
| 9/16  | 1/2        | 1.1/8        | 3.1/8  | 87700      | 23.68    |
| 5/8   | 5/8        | 1.5/16       | 3.7/16 | 83040      | 28.16    |
| 11/16 | 5/8        | 1.5/16       | 3.7/16 | 126725     | 32.72    |
| 3/4   | 3/4        | 1.5/16       | 3.7/16 | 113162     | 36.56    |
| 13/16 | 5/8        | 1.1/2        | 3.5/8  | 107145     | 39.84    |
| 7/8   | 3/4        | 1.1/2        | 3.3/4  | 115342     | 42.08    |
| 1     | 1          | 1.5/8        | 4.1/8  | 86713      | 54.24    |

Note: Larger sizes available. Contact your nearest A.C.T. Branch for details.

## HSCO M42 Multi-Flute Roughing End Mills



These general purpose HSCO roughers are designed for high production metal removal in a wide range of materials. They are non-center cutting with a coarse pitch and a weldon shank.

| Size  | Shank Dia. | Flute Length | O.A.L. | No. of Flutes | A.C.T. No. | Price \$ |
|-------|------------|--------------|--------|---------------|------------|----------|
| 1/4   | 3/8        | 5/8          | 2.7/16 | 3             | 95253      | 21.76    |
| 5/16  | 3/8        | 3/4          | 2.1/2  | 3             | 134270     | 23.52    |
| 3/8   | 3/8        | 3/4          | 2.1/2  | 4             | 93723      | 23.52    |
| 1/2   | 1/2        | 1.1/4        | 3.1/4  | 4             | 94984      | 32.24    |
| 5/8   | 5/8        | 1.5/8        | 3.3/4  | 4             | 94493      | 42.08    |
| 3/4   | 5/8        | 1.5/8        | 3.3/4  | 4             | 102777     | 47.92    |
| 3/4   | 3/4        | 1.5/8        | 3.3/4  | 4             | 119369     | 47.92    |
| 7/8   | 3/4        | 1.7/8        | 4.1/8  | 5             | 104479     | 54.00    |
| 1     | 1          | 2            | 4.1/2  | 5             | 104227     | 71.20    |
| 1.1/8 | 1          | 2            | 4.1/2  | 6             | 108265     | 87.44    |
| 1.1/4 | 1.1/4      | 2            | 4.1/2  | 6             | 145867     | 113.60   |
| 1.1/2 | 1.1/4      | 2            | 4.1/2  | 6             | 145868     | 135.60   |
| 1.3/4 | 1.1/4      | 2            | 4.1/2  | 6             | 105798     | 153.36   |
| 2     | 2          | 2            | 5.3/4  | 8             | 123710     | 246.48   |
| 2     | 2          | 3            | 6.3/4  | 8             | 172651     | 264.64   |
| 2     | 2          | 4            | 7.3/4  | 8             | 142134     | 321.12   |

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A.C.T. EQUIPMENT SALES LTD.

## HSCO M42 Four Flute End Mills



- Four helical flutes
- Single end **with weldon shank**
- Center cutting

| Size  | Shank Dia. | Flute Length | O.A.L.  | A.C.T. No. | Price \$ |
|-------|------------|--------------|---------|------------|----------|
| 1/8   | 3/8        | 3/8          | 2.5/16  | 88295      | 10.64    |
| 5/32  | 3/8        | 7/16         | 2.3/8   | 119930     | 10.64    |
| 3/16  | 3/8        | 1/2          | 2.3/8   | 89044      | 10.64    |
| 7/32  | 3/8        | 9/16         | 2.7/16  | 144094     | 10.64    |
| 1/4   | 3/8        | 5/8          | 2.7/16  | 89045      | 10.64    |
| 9/32  | 3/8        | 11/16        | 2.1/2   | 159536     | 10.64    |
| 5/16  | 3/8        | 3/4          | 2.1/2   | 124108     | 10.64    |
| 11/32 | 3/8        | 3/4          | 2.1/2   | 123697     | 10.64    |
| 3/8   | 3/8        | 3/4          | 2.1/2   | 94957      | 10.64    |
| 13/32 | 3/8        | 1            | 2.11/16 | 131904     | 16.96    |
| 7/16  | 3/8        | 1            | 2.11/16 | 124109     | 16.96    |
| 1/2   | 1/2        | 1.1/4        | 3.1/4   | 94845      | 16.96    |
| 9/16  | 1/2        | 1.3/8        | 3.3/8   | 124110     | 32.56    |
| 5/8   | 5/8        | 1.5/8        | 3.3/4   | 98479      | 30.88    |
| 11/16 | 5/8        | 1.5/8        | 3.3/4   | 124119     | 36.08    |
| 3/4   | 3/4        | 1.5/8        | 3.7/8   | 96467      | 40.16    |
| 7/8   | 3/4        | 1.7/8        | 4.1/8   | 96468      | 46.40    |
| 1     | 1          | 2            | 4.1/2   | 91954      | 59.68    |

Note: Larger sizes available. Contact your nearest A.C.T. Branch for details.

## Ball Nose Two Flute Cobalt End Mills



- Two Helical flutes
- Single end **with weldon shank**
- Ball end
- Center cutting

| Size | Shank Dia. | Flute Length | O.A.L. | A.C.T. No. | Price \$ |
|------|------------|--------------|--------|------------|----------|
| 1/8  | 3/8        | 3/8          | 2.5/16 | 86675      | 15.92    |
| 3/16 | 3/8        | 1/2          | 2.3/8  | 86676      | 15.92    |
| 1/4  | 3/8        | 5/8          | 2.7/16 | 98915      | 15.92    |
| 5/16 | 3/8        | 3/4          | 2.1/2  | 94186      | 15.92    |
| 3/8  | 3/8        | 3/4          | 2.1/2  | 106995     | 15.92    |
| 7/16 | 1/2        | 1            | 3      | 112334     | 22.64    |
| 1/2  | 1/2        | 1            | 3      | 88653      | 22.64    |
| 5/8  | 5/8        | 1.3/8        | 3.1/2  | 120959     | 36.56    |
| 3/4  | 3/4        | 1.5/8        | 3.7/8  | 84808      | 46.80    |
| 7/8  | 3/4        | 2            | 4.1/4  | 95934      | 53.92    |
| 1    | 1          | 2.1/4        | 4.3/4  | 101420     | 65.92    |

## Econo 897 Allround-Paste



Suitable for tapping and metal cutting applications, from very small to large workpieces.

| Size            | A.C.T. No. | Price \$ |
|-----------------|------------|----------|
| 8.8 oz/250 G    | 60264      | 15.30    |
| 26.4 oz/750 G   | 65415      | 34.91    |
| 11.023 lbs/5 KG | 115473     | 160.55   |



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## Port Contour Cutters - 163 Series - Straight Shank

| Thread Size | Tube No. | O.D.  | Shank Length | Dia.  | Model No. | A.C.T. No. | Price \$ |
|-------------|----------|-------|--------------|-------|-----------|------------|----------|
| 5/16-24     | 2        | .125  | 3.125        | .500  | 163-2031  | 133734     | 162.73   |
| 3/8-24      | 3        | .187  | 3.125        | .500  | 163-2037  | 135456     | 155.32   |
| 7/16-20     | 4        | .250  | 3.125        | .500  | 163-2043  | 132895     | 150.65   |
| 1/2-20      | 5        | .312  | 3.125        | .500  | 163-2050  | 146620     | 152.58   |
| 9/16-18     | 6        | .375  | 3.125        | .500  | 163-2056  | 132508     | 160.81   |
| 3/4-16      | 8        | .500  | 3.875        | .750  | 163-3075  | 134884     | 169.33   |
| 7/8-14      | 10       | .625  | 3.875        | .750  | 163-3087  | 150085     | 209.56   |
| 1.1/16-12   | 12       | .750  | 3.875        | .750  | 163-3106  | 152962     | 223.70   |
| 1.3/16-12   | 14       | .875  | 3.875        | .750  | 163-3118  | 180508     | 262.99   |
| 1.5/16-12   | 16       | 1.000 | 3.875        | .750  | 163-3131  | 148523     | 274.81   |
| 1.5/8-12    | 20       | 1.250 | 4.875        | 1.000 | 163-4162  | 148525     | 344.27   |
| 1.7/8-12    | 24       | 1.500 | 4.875        | 1.000 | 163-4187  | 152963     | 427.23   |
| 2.1/2-12    | 32       | 2.000 | 4.875        | 1.000 | 163-4250  | 194846     | 544.64   |

High Speed Steel - (SAE J1926, MS 16142) - A.C.T. offers a full range of Porting Tools for SAE, ISO, BSPP/ BSPF, and NASA Specifications. These HSS cutters produce the form and finish required on internal straight thread o-ring ports in a single operation.



**Many other series available as well!**  
**Ask your local A.C.T. Branch for Details!**

## Tap Extractors

### Remove broken taps and save the threads!

Walton Tap Extractors let you remove broken taps without drilling, lasers, damaged threads, scrapped parts or repair inserts. The hardened steel fingers of tap extractors fit in the flutes of a broken tap to back it out simply and safely. This effective method has been used since 1908. They are available in every tap size, both inch and metric, as handy sets or individual pieces. Tap extractors will fit both NC and NF taps.

|                           | Tap Extractor Size | 4 Flute   |            |          | 3 Flute   |            |          | 2 Flute   |            |          |
|---------------------------|--------------------|-----------|------------|----------|-----------|------------|----------|-----------|------------|----------|
|                           |                    | Model No. | A.C.T. No. | Price \$ | Model No. | A.C.T. No. | Price \$ | Model No. | A.C.T. No. | Price \$ |
| MACHINE SCREW & HAND TAPS | #4                 | -         | -          | -        | 10043     | 173709     | 14.77    | 10042     | 62362      | 14.77    |
|                           | #5                 | -         | -          | -        | 10053     | 173710     | 14.77    | -         | -          | -        |
|                           | #6                 | 10064     | 173712     | 14.77    | 10063     | 173711     | 14.77    | 10062     | 62363      | 14.77    |
|                           | #8                 | 10084     | 242144     | 14.77    | 10083     | 245469     | 14.77    | 10082     | 133642     | 14.77    |
|                           | #10                | 10104     | 108029     | 14.77    | 10103     | 117554     | 14.77    | 10102     | 89826      | 14.77    |
|                           | 1/4"               | 10254     | 60135      | 15.16    | 10253     | 88345      | 15.16    | 10252     | 89827      | 15.16    |
|                           | 5/16"              | 10314     | 61154      | 15.88    | 10313     | 100114     | 15.88    | 10312     | 133643     | 15.88    |
|                           | 3/8"               | 10374     | 60137      | 15.88    | 10373     | 106829     | 15.88    | -         | -          | -        |
|                           | 7/16"              | 10434     | 88346      | 16.67    | 10433     | 214438     | 16.67    | -         | -          | -        |
|                           | 1/2"               | 10504     | 70321      | 17.72    | 10503     | 161977     | 17.72    | -         | -          | -        |
|                           | 9/16"              | 10564     | 73009      | 24.41    | -         | -          | -        | -         | -          | -        |
|                           | 5/8"               | 10624     | 70322      | 26.51    | -         | -          | -        | -         | -          | -        |
|                           | 3/4"               | 10754     | 73010      | 32.62    | -         | -          | -        | -         | -          | -        |
|                           | 1/8" NPT           | 20124     | 92212      | 20.28    | -         | -          | -        | -         | -          | -        |
| NPT                       | 1/4" NPT           | 20254     | 70323      | 24.02    | -         | -          | -        | -         | -          | -        |



## XPF Form Taps



### List 16250

| Tap Size | Threads/Inch UNC | H Value | A.C.T. No. | Price \$ |
|----------|------------------|---------|------------|----------|
| 10       | 24               | H6      | 270197     | 40.63    |
| 10       | 32               | H6      | 270198     | 42.68    |
| 1/4      | 20               | H8      | 270199     | 42.73    |
| 1/4      | 28               | H6      | 267298     | 44.88    |
| 3/8      | 16               | H7      | 266701     | 68.98    |
| 3/8      | 24               | H7      | 270200     | 68.98    |
| 1/2      | 13               | H8      | 270201     | 94.88    |
| 1/2      | 20               | H8      | 270202     | 94.88    |
| 5/8      | 11               | H10     | 270203     | 152.40   |
| 3/4      | 10               | H10     | 269073     | 185.99   |
| 3/4      | 16               | H10     | 270204     | 185.99   |

**17x the Durability of Cutting Taps!** OSG has released the new EXOPRO® -S-XPF and OIL-S-XPF Tap Series, the ideal products for customers seeking superior machining stability and long tool life in a wide range of materials.



**CALGARY**  
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**SASKATOON**  
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 Toll Free: 1 866.234.0120

**WINNIPEG**  
 Phone: 204.783.3210  
 Toll Free: 1 877.783.3201

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**A.C.T. EQUIPMENT SALES LTD.**

\*Manufacturer Part Number Listed.

## HY-PRO Pipe Tap - List 12053

| Model No.  | Tap Size        | Threads Per Inch | No. of Flutes | A.C.T. No. | Price \$ |
|------------|-----------------|------------------|---------------|------------|----------|
| 1205300108 | 1/8" (Sm. Shk.) | 27               | 3             | 228106     | 67.73    |
| 1205300208 | 1/8" (Lg. Shk.) | 27               | 3             | 227379     | 67.73    |
| 1205300308 | 1/4"            | 18               | 3             | 223786     | 74.16    |
| 1205300408 | 3/8"            | 18               | 4             | 228107     | 90.97    |
| 1205300508 | 1/2"            | 14               | 5             | 226669     | 115.89   |
| 1205300608 | 3/4"            | 14               | 5             | 228108     | 163.49   |
| 1205300708 | 1"              | 11.5             | 5             | 228109     | 281.12   |

### DIN Length

| Model No. | Tap Size | Threads Per Inch | O.A.L. | No. of Flutes | A.C.T. No. | Price \$ |
|-----------|----------|------------------|--------|---------------|------------|----------|
| 0215M130  | 1/16"    | 27               | 3.54   | 3             | 266495     | 67.06    |
| 0215M131  | 1/8"     | 21               | 3.94   | 3             | 247485     | 67.06    |
| 0215M132  | 1/4"     | 18               | 3.94   | 3             | 262704     | 67.06    |

### 6" O.A.L.

| Model No. | Tap Size | Threads Per Inch | O.A.L. | No. of Flutes | A.C.T. No. | Price \$ |
|-----------|----------|------------------|--------|---------------|------------|----------|
| 0215M137  | 1/16"    | 27               | 6      | 3             | 273213     | 79.57    |
| 0215M138  | 1/8"     | 27               | 6      | 3             | 265961     | 86.17    |
| 0215M139  | 1/4"     | 18               | 6      | 3             | 266238     | 84.97    |

### Feature

HSSE Material

Eccentric Relief

Slow Spiral

Interrupted Thread

TiCN Coating

### Benefit

Increased Wear Resistance

Reduced Cutting Torque and Heat Generation

Efficient Chip Evacuation

Reduced Cutting Torque

Increased Surface Hardness and Wear Resistance



\*Manufacturer Part Number Listed.

## Hand Taps - Steam Oxide/Bright - Series 101 & 102

The OSG (**List 101**) fractional and (**List 102**) machine screw taps are suitable for general hand and machine tapping operations of both ferrous and non-ferrous material. They are most effective when tapping depths less than the tool diameter.



<sup>5</sup> Steam Oxide Finish - All others Bright Finish

| Tap Size | TPI | No. of Flutes | Taper A.C.T. No. | Price \$ | Plug A.C.T. No.     | Price \$ | Bottom A.C.T. No.   | Price \$ |
|----------|-----|---------------|------------------|----------|---------------------|----------|---------------------|----------|
| 0        | 80  | 2             | 255257           | 13.15    | 239691              | 13.15    | 162315              | 13.15    |
| 1        | 64  | 2             | 254129           | 12.23    | 255261              | 12.24    | 255265              | 12.24    |
|          | 72  | 2             | 253437           | 12.23    | 162317              | 12.24    | 214680              | 12.24    |
| 2        | 56  | 3             | 162304           | 10.51    | 162302 <sup>5</sup> | 10.51    | 162301              | 10.51    |
|          | 64  | 3             | 255258           | 11.36    | 255262              | 11.36    | 255266              | 11.36    |
| 3        | 48  | 3             | 242111           | 8.09     | 162306 <sup>5</sup> | 8.09     | 162307              | 8.09     |
|          | 56  | 3             | 255259           | 9.04     | 255263              | 9.04     | 254172              | 9.04     |
| 4        | 40  | 3             | 152804           | 6.63     | 162308              | 6.63     | 152803 <sup>5</sup> | 6.63     |
|          | 48  | 3             | 240357           | 7.14     | 162326              | 7.14     | 162327              | 7.14     |
| 5        | 40  | 3             | 240779           | 6.63     | 162311 <sup>5</sup> | 6.63     | 162312 <sup>5</sup> | 6.63     |
|          | 44  | 3             | 255260           | 7.14     | 255264              | 7.14     | 255267              | 7.14     |
| 6        | 32  | 3             | 162169           | 5.05     | 162168              | 5.05     | 162167 <sup>5</sup> | 5.05     |
|          | 40  | 3             | 159962           | 5.37     | 162177              | 5.37     | 162176              | 5.37     |
| 8        | 32  | 4             | 159959           | 5.37     | 162171 <sup>5</sup> | 5.22     | 162170 <sup>5</sup> | 5.22     |
|          | 36  | 4             | 159963           | 5.37     | 162179              | 5.37     | 245445              | 5.37     |
| 10       | 24  | 4             | 117794           | 5.37     | 116683 <sup>5</sup> | 5.37     | 162163              | 5.37     |
|          | 32  | 4             | 228871           | 5.37     | 162172              | 5.37     | 176445 <sup>5</sup> | 5.37     |
| 12       | 24  | 4             | 162166           | 5.69     | 214475              | 5.69     | 241609              | 5.69     |
|          | 28  | 4             | 204960           | 6.23     | 162174 <sup>5</sup> | 6.23     | 213250 <sup>5</sup> | 6.23     |
| 1/4      | 20  | 4             | 105295           | 5.80     | 105297 <sup>5</sup> | 5.80     | 105299 <sup>5</sup> | 5.80     |

| Tap Size | TPI | No. of Flutes | Taper A.C.T. No. | Price \$ | Plug A.C.T. No.     | Price \$ | Bottom A.C.T. No.   | Price \$ |
|----------|-----|---------------|------------------|----------|---------------------|----------|---------------------|----------|
| 1/4      | 28  | 4             | 105303           | 5.80     | 105304 <sup>5</sup> | 5.80     | 105305 <sup>5</sup> | 5.80     |
| 5/16     | 18  | 4             | 105300           | 7.14     | 105301              | 7.14     | 105302 <sup>5</sup> | 7.14     |
|          | 24  | 4             | -                | -        | 105307 <sup>5</sup> | 7.14     | 105308              | 7.14     |
| 3/8      | 16  | 4             | 105309           | 8.07     | 105310 <sup>5</sup> | 8.07     | 105311 <sup>5</sup> | 8.07     |
|          | 24  | 4             | -                | -        | 105313 <sup>5</sup> | 8.07     | 105314 <sup>5</sup> | 8.07     |
| 7/16     | 14  | 4             | -                | -        | 105316              | 13.79    | 105317              | 13.79    |
|          | 20  | 4             | 159966           | 13.79    | 162129 <sup>5</sup> | 13.79    | 162128              | 13.79    |
| 1/2      | 13  | 4             | 105319           | 14.55    | 105321 <sup>5</sup> | 14.55    | 105322 <sup>5</sup> | 14.55    |
|          | 20  | 4             | 159967           | 16.32    | 105324 <sup>5</sup> | 16.32    | 105325 <sup>5</sup> | 16.32    |
| 9/16     | 12  | 4             | 105326           | 24.27    | 105327 <sup>5</sup> | 24.27    | 105328 <sup>5</sup> | 24.27    |
|          | 18  | 4             | 162132           | 24.27    | 162130 <sup>5</sup> | 24.27    | 162131 <sup>5</sup> | 24.27    |
| 5/8      | 11  | 4             | 105329           | 29.10    | 105330 <sup>5</sup> | 29.10    | 105331 <sup>5</sup> | 29.10    |
|          | 18  | 4             | 105332           | 29.10    | 105333 <sup>5</sup> | 29.10    | 105334 <sup>5</sup> | 29.10    |
| 3/4      | 10  | 4             | 162155           | 40.74    | 162154              | 40.74    | 109497 <sup>5</sup> | 40.74    |
|          | 16  | 4             | 162157           | 40.74    | 151859 <sup>5</sup> | 40.74    | 176444 <sup>5</sup> | 40.74    |
| 7/8      | 9   | 4             | 227584           | 56.79    | 178017              | 56.79    | 231722              | 56.79    |
|          | 14  | 4             | 149094           | 56.79    | 149095 <sup>5</sup> | 56.79    | 112620              | 56.79    |
| 1        | 8   | 4             | 162153           | 75.65    | 107952 <sup>5</sup> | 75.65    | 162152 <sup>5</sup> | 75.65    |
|          | 12  | 4             | 213252           | 78.04    | 245390              | 78.04    | 122321              | 78.04    |
|          | 14  | 4             | 220387           | 78.04    | 162159              | 78.04    | 124897              | 78.04    |

## Pipe Taps - NPT - List 108

Steam Oxide Finish, bottoming chamfer, for hand and machine tapping of through or blind holes in ferrous and non-ferrous materials.

**Spiral Flute & Interrupted Thread also available.**



| Size | TPI    | Shank Dia. | Thrd. Lgth. (mm) | O.A.L. (mm) | No. of Flutes | A.C.T. No. | Price \$ |
|------|--------|------------|------------------|-------------|---------------|------------|----------|
| 1/16 | 27     | .3125      | 17               | 65          | 4             | 130524     | 27.31    |
| 1/8  | 27     | .4375      | 19               | 70          | 4             | 108810     | 27.31    |
| 1/4  | 18     | .5625      | 27               | 75          | 4             | 108811     | 30.16    |
| 3/8  | 18     | .7000      | 27               | 80          | 4             | 108812     | 39.85    |
| 1/2  | 14     | .6875      | 35               | 100         | 4             | 108813     | 63.33    |
| 3/4  | 14     | .9063      | 35               | 105         | 5             | 108814     | 88.50    |
| 1    | 11.1/2 | 1.1250     | 43               | 115         | 5             | 108815     | 134.77   |

# HY-PRO -VXL Taps for Vertical Applications - List 13015



- Ideal for High Carbon Steel and Alloy Steels
- Series VXL (shown below) are for vertical applications
- **HXL Series which BREAKS THE CHIPS also available ONLY for Horizontal applications (List 13014 - Not shown)**
- DIN overall length, modified bottom (2.5P-3P) & Class fit of 2B



| Tap Size | Threads/Inch<br>UNC UNF | No. Of<br>Flutes | OAL   | A.C.T. No. | Price \$ | Tap Size                          | Threads/Inch<br>UNC UNF | No. Of<br>Flutes | OAL   | A.C.T. No.  | Price \$ |
|----------|-------------------------|------------------|-------|------------|----------|-----------------------------------|-------------------------|------------------|-------|-------------|----------|
| 1/2"     | 13                      | 4                | 110mm | 253879     | 52.36    | 1.1/8"                            | — 8                     | 5                | 180mm | 241168      | 235.50   |
| 1/2"     | 20                      | 4                | 100mm | 253880     | 52.36    | 1.1/4"                            | 7 —                     | 5                | 180mm | 241169      | 292.88   |
| 9/16"    | 12                      | 4                | 110mm | 253881     | 67.80    | 1.1/4"                            | — 8                     | 5                | 180mm | 241171      | 285.44   |
| 9/16"    | 18                      | 4                | 100mm | 253882     | 70.85    | 1.3/8"                            | 6 —                     | 5                | 200mm | 1301501501* | 377.29   |
| 5/8"     | 11                      | 4                | 110mm | 247549     | 71.91    | 1.3/8"                            | — 8                     | 5                | 200mm | 241170      | 318.82   |
| 5/8"     | 18                      | 4                | 100mm | 253883     | 92.24    | 1.1/2"                            | 6 —                     | 5                | 200mm | 262753      | 445.15   |
| 3/4"     | 10                      | —                | 125mm | 240902     | 115.34   | 1.1/2"                            | — 8                     | 5                | 200mm | 249895      | 410.37   |
| 3/4"     | 16                      | 4                | 110mm | 253884     | 100.62   | 1.5/8"                            | — 8                     | 6                | 200mm | 241524      | 569.49   |
| 7/8"     | 9                       | —                | 140mm | 240903     | 143.96   | 1.3/4"                            | — 8                     | 6                | 200mm | 1301502201* | 748.29   |
| 7/8"     | 14                      | 4                | 125mm | 253885     | 126.53   | 1.7/8"                            | — 8                     | 6                | 225mm | 268011      | 874.53   |
| 1"       | 8                       | —                | 160mm | 240904     | 165.99   | 2"                                | — 8                     | 6                | 225mm | 1301502401* | 1,060.29 |
| 1"       | 12                      | 5                | 140mm | 253886     | 165.99   | 2.1/2"                            | — 8                     | 6                | 275mm | 1301502501* | 1,926.81 |
| 1.1/8"   | 7                       | —                | 180mm | 241166     | 253.42   | *Manufacturer Part Number Listed. |                         |                  |       |             |          |

## Spiral Point & Spiral Flute Taps



**Spiral Point**  
For through-hole applications



**Spiral Flute**  
For bottoming  
(blind-hole)  
applications

**HY-PRO 7 - List 288 & 298** - taps have OSG's newest design for tapping aluminum, mild steel and medium carbon steels. Spiral flute taps are recommended for blind-hole applications. **HY-PRO 7 is the industry's most cost effective general purpose tap.** Steam Oxide shown. Bright Finish for aluminum also available.

**HY-PRO HSSE-V3 - List 280 & 290** - performance taps are designed for tapping hardened steels such as 4140, 4340, H13, D2 and 1055 up to HRC 35 as well as a variety of stainless steels. Spiral flute taps are recommended for blind-hole applications. OSG's unique geometry along with premium 3% vanadium material provides exceptional tool life with unequalled consistency.

### HY-PRO 7

### HSSE-V3

| Spiral Point<br>List 288 |          | Spiral Flute<br>List 298 |          | Tap Size |    | T.P.I. |    | Spiral Point<br>List 280 |          | Spiral Flute<br>List 290 |          |
|--------------------------|----------|--------------------------|----------|----------|----|--------|----|--------------------------|----------|--------------------------|----------|
| A.C.T. No.               | Price \$ | A.C.T. No.               | Price \$ |          |    | NC     | NF | A.C.T. No.               | Price \$ | A.C.T. No.               | Price \$ |
| 104780                   | 6.58     | 104777                   | 11.47    |          |    | 4      | 40 | 107380                   | 11.90    | 127539                   | 17.82    |
| 104781                   | 5.53     | 104778                   | 9.39     | 6        | 32 |        |    | 107379                   | 9.89     | 127542                   | 14.48    |
| 104783                   | 5.53     | 103441                   | 9.32     | 8        | 32 |        |    | 107378                   | 9.89     | 127543                   | 14.48    |
| 104784                   | 5.53     | 103442                   | 9.32     | 10       | 24 |        |    | 107377                   | 9.89     | 127544                   | 14.48    |
| 104785                   | 5.53     | 104925                   | 9.32     | 10       |    |        | 32 | 107376                   | 9.89     | 125306                   | 14.48    |
| 104787                   | 5.53     | 103443                   | 10.12    | 1/4      | 20 |        |    | 107375                   | 10.94    | 106726                   | 15.72    |
| 104842                   | 5.53     | 104926                   | 10.12    | 1/4      |    |        | 28 | 107374                   | 10.94    | 127545                   | 15.72    |
| 104788                   | 5.96     | 103444                   | 12.44    | 5/16     | 18 |        |    | 107373                   | 12.29    | 115391                   | 19.32    |
| 104843                   | 5.96     | 104927                   | 12.44    | 5/16     |    |        | 24 | 107372                   | 12.29    | 115354                   | 19.32    |
| 104789                   | 7.10     | 103445                   | 14.46    | 3/8      | 16 |        |    | 107371                   | 13.89    | 116796                   | 22.44    |
| 104844                   | 7.62     | 104929                   | 14.46    | 3/8      |    |        | 24 | 107370                   | 13.89    | 124587                   | 22.44    |
| 104845                   | 12.10    | 104930                   | 21.59    | 7/16     | 14 |        |    | 107369                   | 18.04    | 127546                   | 33.53    |
| 104846                   | 12.10    | 104931                   | 21.59    | 7/16     |    |        | 20 | 107368                   | 18.04    | 115355                   | 33.53    |
| 104790                   | 14.39    | 103446                   | 25.46    | 1/2      | 13 |        |    | 107367                   | 20.84    | 117938                   | 39.53    |
| 104847                   | 14.39    | 107499                   | 25.46    | 1/2      |    |        | 20 | 107366                   | 20.84    | 118336                   | 39.53    |
| 159707                   | 33.14    | 159697                   | 45.90    | 5/8      | 11 |        |    | 105971                   | 37.83    | 109701                   | 69.61    |
| 159712                   | 33.14    | 159702                   | 45.90    | 5/8      |    |        | 18 | 107365                   | 37.83    | 108557                   | 69.61    |
| 159708                   | 47.16    | 159698                   | 62.66    | 3/4      | 10 |        |    | 105972                   | 59.35    | 106731                   | 89.53    |
| 159713                   | 47.16    | 159703                   | 62.66    | 3/4      |    |        | 16 | 107322                   | 59.35    | 105520                   | 89.53    |
| 159709                   | 65.69    | 159699                   | 98.34    | 7/8      | 9  |        |    | 127333                   | 84.91    | 127547                   | 130.36   |
| 159714                   | 65.69    | 159704                   | 98.33    | 7/8      |    |        | 14 | 127334                   | 92.72    | -                        | -        |
| 159710                   | 80.14    | 159700                   | 121.64   | 1        | 8  |        |    | 125188                   | 113.09   | 127552                   | 166.11   |
| 159715                   | 80.14    | 159705                   | 121.64   | 1        |    |        | 12 | 127335                   | 123.49   | -                        | -        |



**Spiral Point**  
For through-hole applications



**Spiral Flute**  
For bottoming  
(blind-hole)  
applications

**CALGARY**  
Phone: 403.279.6016  
Toll Free: 1 800.685.8155

**SASKATOON**  
Phone: 306.244.4810  
Toll Free: 1 866.234.0120

**WINNIPEG**  
Phone: 204.783.3210  
Toll Free: 1 877.783.3201

**FALL-WINTER 2013-2014 35**  
**A.C.T. EQUIPMENT SALES LTD.**

## Tapping Arm Packages

**TAP-RITE**  
TAPPING SYSTEMS

### Features:

- Produce high quality threads
- Tap blind and through holes
- Reduce tap breakage
- Use conventional or roll taps
- Free up your CNC machine
- Engineered to absorb all torque reaction thereby reducing the potential for injury to the worker
- Minimal assembly required

**Note:** Tapping collets not included, please order separately.



**A.C.T. stocks a wide range of tappers, tapping arms and accessories to suit your needs. Other packages available, including different arms, motors and holders to suit your job requirements!**

**For more detailed information please contact your nearest A.C.T. Branch!**

### 1/2" CAPACITY 4 - 39" WORKING RANGE

| Model No.                 | TRS1000-R500       |
|---------------------------|--------------------|
| A.C.T. No.                | 262496             |
| Tapping Capacity in. (mm) | 1/2 (12)           |
| Reach in. (mm)            | 4 - 39 (102 - 991) |
| Tapping Arm               | AC1000 ARM         |
| Tapper Motor              | TR400S             |
| Tapping Chuck             | BT1-B12 System 1   |
| F.R.L. Unit               | TR300H             |
| Tool Holder               | ACTHR-41.6 Rigid   |
| Air Line & Exhaust Kit    | TRA EK1000         |

|               |                 |
|---------------|-----------------|
| Reg. Price    | 1,799.00        |
| Sale Price \$ | <b>1,599.00</b> |

**You Save:**  
**\$200.00**

### 1/2" CAPACITY 12 - 78" WORKING RANGE

| Model No.                 | TRS1500-R500          |
|---------------------------|-----------------------|
| A.C.T. No.                | 262502                |
| Tapping Capacity in. (mm) | 1/2 (12)              |
| Reach in. (mm)            | 12 - 78 (300 - 1,981) |
| Tapping Arm               | AC1500                |
| Tapper Motor              | TR400S                |
| Tapping Chuck             | BT1-B12 System 1      |
| F.R.L. Unit               | TR300H                |
| Tool Holder               | ACTHR-41.6 Rigid      |
| Air Line & Exhaust Kit    | TRA EK1500            |

|               |                 |
|---------------|-----------------|
| Reg. Price    | 2,775.00        |
| Sale Price \$ | <b>2,497.50</b> |

**You Save:**  
**\$277.50**

### 7/8" CAPACITY 5 - 41" WORKING RANGE

| Model No.                 | TRS1050-R875         |
|---------------------------|----------------------|
| A.C.T. No.                | 262508               |
| Tapping Capacity in. (mm) | 7/8 (22)             |
| Reach in. (mm)            | 5 - 41 (127 - 1,041) |
| Tapping Arm               | AC1050HD             |
| Tapper Motor              | TR90250              |
| Tapping Chuck             | BT2-B18 System 2     |
| F.R.L. Unit               | TR300H               |
| Tool Holder               | ACTHR-57HDL Rigid    |
| Air Line & Exhaust Kit    | AC1050HD-AEK         |

|               |                 |
|---------------|-----------------|
| Reg. Price    | 3,215.00        |
| Sale Price \$ | <b>2,893.50</b> |

**You Save:**  
**\$321.50**

## Mobile Tapping Table

### Features:

- Precision ground Heavy Duty cast iron table
- 5/8" T-slots with fluid run-off trough
- Heavy Duty welded steel cabinet with 2 shelves
- 4 Heavy Duty castors for easy movement
- 4 Jack feet for stability and levelling
- Table Dimensions: 33.1/2" L x 26.3/4" W x 33.1/2" H plus a 6" x 26.3/4" tap collet holder shelf

**You Save:**  
**\$450.00**

**Mobile Tapping Table** (will accept all arms)

| Model No.     | MT007           |
|---------------|-----------------|
| A.C.T. No.    | 170564          |
| Sale Price \$ | <b>2,550.00</b> |

Tap, Tapper & Tapping Arm not included



**TAP-RITE**  
TAPPING SYSTEMS

**36 FALL-WINTER 2013-2014**  
**A.C.T. EQUIPMENT SALES LTD.**

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Toll Free: 1 800.667.1504

**EDMONTON**  
Phone: 780.462.1777  
Toll Free: 1 800.661.5979

## Adjustable Round Split Dies



Coarse threads shown.

Fine Threads Also Available

| Outside Dia. | Model No. | Size | Threads per Inch | A.C.T. No. | Price \$ |
|--------------|-----------|------|------------------|------------|----------|
| 13/16"       | 140-310   | 2    | 56               | 103129     | 7.68     |
|              | 140-315   | 3    | 48               | 88332      | 10.48    |
|              | 140-320   | 4    | 40               | 100829     | 10.48    |
|              | 140-325   | 5    | 40               | 131913     | 10.48    |
|              | 140-330   | 6    | 32               | 92187      | 10.48    |
|              | 140-335   | 8    | 32               | 201387     | 10.48    |
|              | 140-340   | 10   | 24               | 70771      | 10.48    |
|              | 140-345   | 12   | 24               | 92188      | 10.48    |
|              | 140-350   | 1/4  | 20               | 92189      | 10.48    |
|              | 140-355   | 5/16 | 18               | 140-355*   | 10.48    |
| 1"           | 140-360   | 6    | 32               | 127266     | 13.12    |
|              | 140-365   | 8    | 32               | 68384      | 13.12    |
|              | 140-370   | 10   | 24               | 89129      | 13.12    |
|              | 140-375   | 12   | 24               | 125897     | 13.12    |
|              | 140-380   | 1/4  | 20               | 89275      | 13.12    |
|              | 140-385   | 5/16 | 18               | 89352      | 13.12    |
|              | 140-390   | 3/8  | 16               | 89304      | 13.12    |
|              | 140-395   | 7/16 | 14               | 106988     | 13.12    |
|              | 140-400   | 1/2  | 13               | 89338      | 13.12    |
|              | 140-405   | 1/4  | 20               | 201131     | 22.08    |
| 1.1/2"       | 140-410   | 5/16 | 18               | 69713      | 22.08    |
|              | 140-415   | 3/8  | 16               | 90333      | 22.08    |
|              | 140-420   | 7/16 | 14               | 90374      | 22.08    |
|              | 140-425   | 1/2  | 13               | 73826      | 22.08    |
|              | 140-430   | 9/16 | 12               | 89371      | 22.08    |
|              | 140-435   | 5/8  | 11               | 87548      | 22.08    |
|              | 140-437   | 3/4  | 10               | 88338      | 22.08    |
|              | 140-440   | 5/8  | 11               | 93530      | 37.84    |
|              | 140-445   | 3/4  | 10               | 89596      | 37.84    |
|              | 140-450   | 7/8  | 9                | 113203     | 37.84    |
| 2"           | 140-455   | 1    | 8                | 137610     | 37.84    |

\*Manufacturer Part Number Listed.



## Round Die Stock Holder

Made in GERMANY



| Die O.D. | Length  | A.C.T. No. | Price \$ |
|----------|---------|------------|----------|
| 13/16"   | 8"      | 88499      | 7.28     |
| 1"       | 9"      | 61549      | 7.52     |
| 1.1/2"   | 12.1/2" | 61550      | 18.64    |
| 2"       | 22"     | 62573      | 27.84    |

## Adjustable Tap Wrenches



| Tool No. | Range In | Range mm | Length | A.C.T. No. | Price \$ |
|----------|----------|----------|--------|------------|----------|
| 130/1    | 1/16-3/8 | M1-M10   | 7.1/2" | 60787      | 9.12     |
| 130/2    | 5/32-1/2 | M4-M12   | 11"    | 60788      | 13.92    |

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## Hex Rethreading Dies



### Ultra Bor Super Premium Dies

Special Hi-Molybdenum tool steel, polished gold finish with black surface treated threads for long life and rich appearance. These dies are used for threading rods, bolts, studs and other pieces requiring external threads. The outside hex configuration allows both wrench and die stock use in threading.

| Model No. | Size    | Across Flats | A.C.T. No. | Price \$ |
|-----------|---------|--------------|------------|----------|
| 61000     | 4-40    | 1"           | 208360     | 7.41     |
| 61010     | 6-32    | 1"           | 208361     | 7.41     |
| 61020     | 8-32    | 1"           | 208362     | 7.41     |
| 61030     | 10-24   | 1"           | 208363     | 7.41     |
| 61040     | 10-32   | 1"           | 208364     | 7.41     |
| 61050     | 12-24   | 1"           | 208365     | 7.41     |
| 61060     | 1/4-20  | 1"           | 208367     | 7.41     |
| 61070     | 1/4-28  | 1"           | 208368     | 7.41     |
| 61080     | 5/16-18 | 1"           | 208373     | 7.41     |
| 61090     | 5/16-24 | 1"           | 208377     | 7.41     |
| 61100     | 3/8-16  | 1"           | 208381     | 7.41     |
| 61110     | 3/8-24  | 1"           | 208385     | 7.41     |
| 61120     | 7/16-14 | 1"           | 208386     | 7.41     |
| 61130     | 7/16-20 | 1"           | 208389     | 7.41     |
| 61140     | 1/2-13  | 1"           | 208392     | 7.76     |
| 61150     | 1/2-20  | 1"           | 208395     | 7.76     |
| 61160     | 9/16-12 | 1-7/16"      | 208396     | 16.68    |
| 61170     | 9/16-18 | 1-7/16"      | 208397     | 16.68    |
| 61180     | 5/8-11  | 1-7/16"      | 208401     | 16.68    |
| 61190     | 5/8-18  | 1-7/16"      | 208405     | 16.68    |
| 61200     | 3/4-10  | 1-7/16"      | 208406     | 16.68    |
| 61210     | 3/4-16  | 1-7/16"      | 208407     | 16.68    |
| 61220     | 1/8-27  | 1"           | 208408     | 7.76     |
| 61230     | 1/4-18  | 1-7/16"      | 208409     | 16.68    |



BLACK & GOLD

## T-Handle Tap Wrenches Ratchet Type



Made in GERMANY



| Tool No. | Range In | Range mm | Length | A.C.T. No. | Price \$ |
|----------|----------|----------|--------|------------|----------|
| 100/1    | 1/8-3/8  | M3-M10   | 3.3/8" | 61542      | 17.04    |
| 100/2    | 7/32-1/2 | M5-M12   | 4"     | 61546      | 20.56    |

## T-Handle Tap Wrenches

Starrett®

- Hold taps, drills, reamers and other small tools to be turned by hand
- Centered body with sliding handle that is frictionally held
- Designed to hold square shanks. Round shanks can be gripped with care

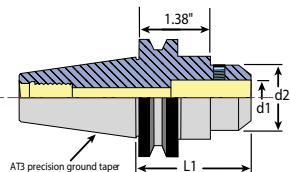


| Model No. | Tap Capacity | Square Shank | Body Length | A.C.T. No. | Price \$ |
|-----------|--------------|--------------|-------------|------------|----------|
| 93A       | 1/16-3/16"   | 1/16-5/32"   | 2"          | 137443     | 32.51    |
| 93B       | 7/32-7/16"   | 5/32-1/4"    | 2.1/2"      | 137444     | 34.51    |
| 93C       | 1/4-1/2"     | 3/16-5/16"   | 3.1/2"      | 137445     | 44.51    |

FALL-WINTER 2013-2014 **37**  
A.C.T. EQUIPMENT SALES LTD.

## End Mill Holders

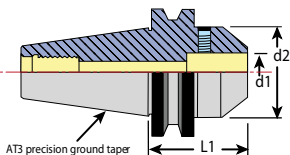
- H5 Tolerance Saves Cutting Tool Life
- Double your tool life or better with our high-precision end mill holders
- Each tool holder is lab certified for H5 bore tolerance and taper accuracy AT3
- Balanced to 10,000 RPM which reduces vibration, improves tool life, and minimizes spindle bearing wear
- Taper ground to AT3 for maximum spindle contact



**IN STOCK!**

### STANDARD LENGTH

| Taper | d1    | L1    | d2    | A.C.T. No. | Price \$ |
|-------|-------|-------|-------|------------|----------|
| CAT40 | 1/4"  | 2.50" | .78"  | 256348     | 62.76    |
| CAT40 | 3/8"  | 2.50" | 1.00" | 256349     | 70.14    |
| CAT40 | 1/2"  | 2.50" | 1.25" | 256350     | 62.76    |
| CAT40 | 5/8"  | 3.00" | 1.50" | 255533     | 62.76    |
| CAT40 | 3/4"  | 3.50" | 1.75" | 254043     | 62.76    |
| CAT40 | 1.00" | 4.00" | 2.00" | 255534     | 70.14    |
| CAT40 | 1.25" | 4.00" | 2.05" | 256351     | 77.52    |
| CAT50 | 1/2"  | 4.00" | 1.25" | 255544     | 95.98    |
| CAT50 | 5/8"  | 4.00" | 1.50" | 255545     | 95.98    |
| CAT50 | 3/4"  | 4.00" | 1.75" | 255546     | 95.98    |
| CAT50 | 1.00" | 4.00" | 2.00" | 255547     | 95.98    |
| CAT50 | 1.25" | 4.60" | 2.50" | 255548     | 98.93    |



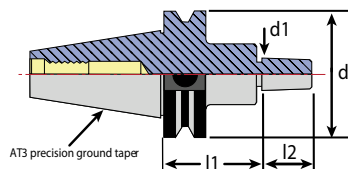
**IN STOCK!**

### STUBBY LENGTH

| Taper | d1   | L1    | d2    | Order No. | Price \$ |
|-------|------|-------|-------|-----------|----------|
| CAT40 | 5/8" | 1.75" | 1.50" | 255827    | 62.76    |
| CAT40 | 3/4" | 1.75" | 1.75" | 254822    | 70.14    |
| CAT50 | 5/8" | 1.44" | 1.50" | 255842    | 95.98    |

## Drill Chuck Adaptor

- Better T.I.R. and rigidity than standard drill chucks
- Taper ground to AT3 accuracy
- Use with keyless precision chucks

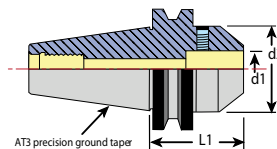


**IN STOCK!**

| Taper | L1    | L2    | d      | d1    | JT | A.C.T. No. | Price \$ |
|-------|-------|-------|--------|-------|----|------------|----------|
| CAT40 | 1.57" | 1.2"  | 2.5"   | .811" | 3  | 255854     | 66.45    |
| CAT40 | 1.57" | .945" | 2.5"   | .676" | 6  | 255855     | 66.45    |
| CAT50 | 1.57" | 1.2"  | 3.875" | 0.81" | 3  | 255857     | 98.88    |

## Shell Mill Holders

- Compatible with all coolant thru face mills
- H6 arbor tolerance for less chatter and better tool life
- Each arbor lab certified for accuracy
- Taper ground to AT3 tolerance or better

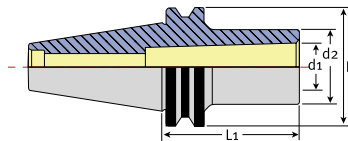


**IN STOCK!**

| Taper | L1    | L2   | d1    | d2    | d3    | K2   | A.C.T. No. | Price \$ |
|-------|-------|------|-------|-------|-------|------|------------|----------|
| CAT40 | 1.37" | .69" | 3/4"  | .88"  | 1.69" | .31" | 255516     | 82.69    |
| CAT40 | 4.00" | .69" | 3/4"  | .88"  | 1.69" | .31" | 256352     | 110.75   |
| CAT40 | 2.06" | .69" | 1.00" | 1.19" | 2.20" | .38" | 255517     | 82.69    |
| CAT40 | 4.00" | .69" | 1.00" | 1.19" | 2.20" | .38" | 256353     | 110.75   |
| CAT40 | 2.21" | .94" | 1.50" | 1.88" | 3.80" | .63" | 255902     | 98.19    |
| CAT50 | 3.50" | .69" | 3/4"  | .88"  | 1.69" | .31" | 256354     | 129.20   |
| CAT50 | 2.00" | .69" | 1.00" | 1.19" | 2.20" | .38" | 255525     | 103.36   |
| CAT50 | 4.00" | .69" | 1.00" | 1.19" | 2.20" | .38" | 256188     | 140.28   |
| CAT50 | 2.40" | .94" | 1.50" | 1.88" | 3.80" | .63" | 255904     | 117.39   |

## Morse Taper Holders

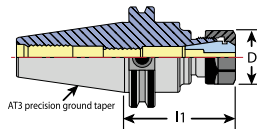
- Taper ground to AT3 accuracy or better
- .0002" runout from taper to tool pocket
- Each holder lab certified



**IN STOCK!**

| Taper | SIZE | L1     | d1     | d2     | D      | Order No | Price \$ |
|-------|------|--------|--------|--------|--------|----------|----------|
| CAT40 | MT2  | 2.000" | .700"  | 1.260" | 2.500" | 255871   | 70.88    |
| CAT40 | MT3  | 2.750" | .937"  | 1.575" | 2.500" | 255872   | 78.81    |
| CAT40 | MT4  | 3.750" | 1.231" | 1.889" | 2.500" | 255873   | 81.40    |
| CAT50 | MT3  | 2.560" | .937"  | 1.575" | 3.875" | 255875   | 106.32   |
| CAT50 | MT4  | 3.750" | 1.231" | 1.889" | 3.875" | 255876   | 108.53   |

## ER Collet Chucks



**IN STOCK!**

| Taper | Description      | L1     | D      | Max. Shank | A.C.T. No. | Price \$ |
|-------|------------------|--------|--------|------------|------------|----------|
| CAT40 | ER16 hex nut     | 2.760" | 1.080" | .406"      | 255508     | 100.55   |
| CAT40 | ER16 hex nut     | 6.000" | 1.080" | .406"      | 256355     | 112.50   |
| CAT40 | ER25 slotted nut | 2.500" | 1.650" | .630"      | 256356     | 100.55   |
| CAT40 | ER25 slotted nut | 6.000" | 1.650" | .630"      | 256357     | 112.50   |
| CAT40 | ER32 slotted nut | 2.760" | 1.970" | .788"      | 255511     | 107.58   |
| CAT40 | ER32 slotted nut | 6.000" | 1.970" | .788"      | 256358     | 122.35   |
| CAT40 | ER40 slotted nut | 3.150" | 2.480" | 1.023"     | 255893     | 112.50   |
| CAT40 | ER11 mini nut    | 4.000" | .630"  | .275"      | 256359     | 115.32   |
| CAT40 | ER16 mini nut    | 4.000" | .870"  | .406"      | 256360     | 118.13   |
| CAT40 | ER32 super rigid | 1.100" | -      | 3/4"       | 255820     | 99.67    |
| CAT50 | ER25 slotted nut | 4.000" | 1.650" | .630"      | 255514     | 119.53   |
| CAT50 | ER32 slotted nut | 4.000" | 1.970" | .788"      | 255515     | 119.53   |
| CAT50 | ER40 slotted nut | 4.000" | 2.480" | 1.023"     | 255894     | 126.57   |

## ER Collets - Individuals

### Top Quality & Performance

- Strict quality controls at factory
- Each collet is hand inspected
- T.I.R. 0.0002" or better
- Ultra-precision collets available (T.I.R. 0.0001")
- Power coat nut provides best rigidity and cutting tool life



**IN STOCK!**

| Size | Range         | Shank  | A.C.T. No. | Price \$ |
|------|---------------|--------|------------|----------|
| ER16 | .043" - .062" | 1/16"  | 255402     | 12.31    |
| ER16 | .054" - .093" | 3/32"  | 255405     | 12.31    |
| ER16 | .086" - .125" | 1/8"   | 255228     | 12.31    |
| ER16 | .148" - .187" | 3/16"  | 255229     | 12.31    |
| ER16 | .211" - .250" | 1/4"   | 255230     | 12.31    |
| ER16 | .273" - .312" | 5/16"  | 255406     | 12.31    |
| ER16 | .304" - .343" | 11/32" | 255403     | 12.31    |
| ER16 | .336" - .375" | 3/8"   | 255231     | 12.31    |
| ER25 | .086" - .125" | 1/8"   | 255461     | 13.18    |
| ER25 | .148" - .187" | 3/16"  | 255467     | 13.18    |
| ER25 | .211" - .250" | 1/4"   | 255458     | 13.18    |
| ER25 | .273" - .312" | 5/16"  | 255471     | 13.18    |
| ER25 | .336" - .375" | 3/8"   | 255470     | 13.18    |
| ER25 | .398" - .437" | 7/16"  | 255474     | 13.18    |
| ER25 | .461" - .500" | 1/2"   | 255457     | 13.18    |
| ER25 | .523" - .562" | 9/16"  | 255476     | 13.18    |
| ER25 | .586" - .625" | 5/8"   | 255473     | 13.18    |
| ER32 | .086" - .125" | 1/8"   | 255483     | 13.18    |
| ER32 | .148" - .187" | 3/16"  | 255492     | 13.18    |
| ER32 | .211" - .250" | 1/4"   | 255482     | 13.18    |
| ER32 | .273" - .312" | 5/16"  | 255496     | 13.18    |
| ER32 | .336" - .375" | 3/8"   | 255495     | 13.18    |
| ER32 | .398" - .437" | 7/16"  | 255499     | 13.18    |
| ER32 | .461" - .500" | 1/2"   | 255481     | 13.18    |
| ER32 | .586" - .625" | 5/8"   | 255498     | 13.18    |
| ER32 | .648" - .687" | 11/16" | 255484     | 13.18    |
| ER32 | .711" - .750" | 3/4"   | 255494     | 13.18    |

## ER Collet Sets



**IN STOCK!**

| Description             | Pieces | Fits Shank Size | A.C.T. No. | Price \$ |
|-------------------------|--------|-----------------|------------|----------|
| ER16 3/32-3/8" by 32nds | 10     | 1/16" - 3/8"    | 255387     | 114.85   |
| ER25 5/32-5/8" by 32nds | 16     | 1/8" - 5/8"     | 255397     | 196.88   |
| ER32 7/32-3/4 by 32nds  | 18     | 3/16" - 3/4"    | 255398     | 221.49   |

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## CAT40 43pc Tooling Package TP-C40



**PRICE \$**  
**\$1,169.<sup>74</sup>**



A.C.T. No.: 256467

**IN STOCK!**

| Qty | Description                          |
|-----|--------------------------------------|
| 4   | CAT 40 X ER 32 - 2.76                |
| 2   | CAT 40 X ER 16 - 2.76                |
| 1   | ER 32 X 18 piece collet (SET) - inch |
| 1   | ER 16 X 10 piece collet (SET) - inch |
| 1   | CAT 40 X SLN 1/4" - 3"               |
| 1   | CAT 40 X SLN 3/8" - 3"               |
| 1   | CAT 40 X SLN 1/2" - 3"               |
| 1   | CAT 40 X SLN 5/8" - 3"               |
| 1   | CAT 40 X SLN 3/4" - 3.5"             |
| 1   | CAT 40 X SLN 1" - 4"                 |
| 1   | CAT 40 X SPU 1/2" - 4"               |
| 1   | ER 32 - 'E' WRENCH                   |
| 1   | ER 16 - 'A' WRENCH                   |

## CAT50 45pc Tooling Package TP-C50



**PRICE \$**  
**\$1,640.<sup>41</sup>**



A.C.T. No.: 262926

**IN STOCK!**

| Qty | Description                       |
|-----|-----------------------------------|
| 5   | CAT 50 x ER 20 - 4                |
| 5   | CAT 50 x ER 32 - 4                |
| 1   | ER 32 x 18 piece collet set - in. |
| 1   | ER 20 x 12 piece collet set - in. |
| 2   | CAT 50 x SLN 1 - 4                |
| 1   | CAT 50 x SLN 1-1/4 - 4.6          |
| 1   | ER 20 - A wrench                  |
| 1   | ER 32 - E wrench                  |

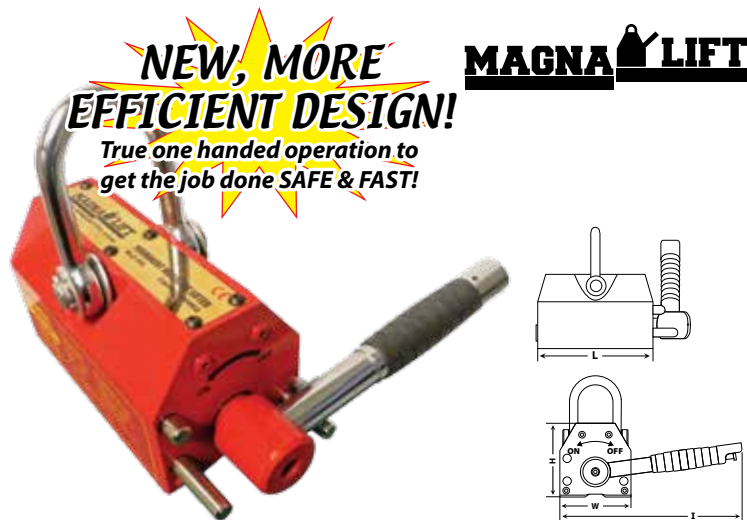
**FALL-WINTER 2013-2014 39**  
**A.C.T. EQUIPMENT SALES LTD.**

## Permanent Magnetic Lifters

- Lift and transfer Steel & Iron without slings, hooks or cables and avoiding damage to the surface finish
- 3.5x safety coefficient & no power required, eliminates hazards due to power failures, no running costs

### Dimensions & Weight

| Model No. | Contact Surface |        | H      | L      | Weight   | A.C.T. No. |
|-----------|-----------------|--------|--------|--------|----------|------------|
|           | W               | L      |        |        |          |            |
| MLQ-100   | 2.44"           | 3.62"  | 2.63"  | 6.50"  | 6.60 lbs | 264903     |
| MLQ-300   | 3.62"           | 6.37"  | 3.58"  | 8.30"  | 22 lbs   | 259653     |
| MLQ-600   | 4.80"           | 9.13"  | 4.60"  | 11.90" | 52.8 lbs | 264904     |
| MLQ-1000  | 6.90"           | 10.15" | 6.41"  | 16.30" | 110 lbs  | 264905     |
| MLQ-2000  | 9.21"           | 14.88" | 8.34"  | 22.70" | 275 lbs  | 264906     |
| MLQ-3000  | 11.26"          | 18.03" | 10.28" | 27.88" | 484 lbs  | 264908     |

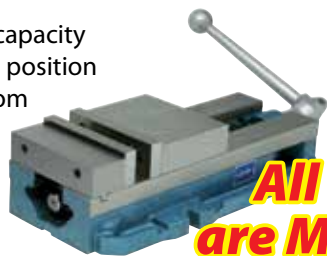


### Capacities

| Model No. | Steel Plate           |                         | Round Steel (Not Hollow) |               | Maximum Length |      | A.C.T. No. | Price \$ |
|-----------|-----------------------|-------------------------|--------------------------|---------------|----------------|------|------------|----------|
|           | Max. Lifting Capacity | Min. Thickness Required | Max. Lifting Capacity    | Max. Diameter |                |      |            |          |
|           | lbs                   | kg                      | lbs                      | kg            | In             | mm   |            |          |
| MLQ-100   | 220                   | 100                     | 99                       | 45            | 39"            | 1000 | 264903     | 285.20   |
| MLQ-300   | 660                   | 300                     | 297                      | 135           | 59"            | 1500 | 259653     | 616.40   |
| MLQ-600   | 1320                  | 600                     | 600                      | 270           | 78"            | 2000 | 264904     | 1,012.00 |
| MLQ-1000  | 2200                  | 1000                    | 990                      | 450           | 98"            | 2500 | 264905     | 1,559.40 |
| MLQ-2000  | 4400                  | 2000                    | 1910                     | 870           | 118"           | 3000 | 264906     | 3,187.80 |
| MLQ-3000  | 6600                  | 3000                    | 2904                     | 1320          | 137"           | 3500 | 264908     | 4,966.16 |

## Milling Vise

- Vises are matched
- An integral key and large fasteners reduces deflection by 50%
- 4 jaw plate positions allow extra capacity with the jaw plates in the outside position
- Chip-cover protects leadscrew from damage



**All Vises are Matched!**

| Model No. | Jaw Width | Jaw Height | Opening | A.C.T. No. | Price \$ |
|-----------|-----------|------------|---------|------------|----------|
| GS 890    | 6"        | 1.5"       | 8.9"    | 161040     | 399.99   |
| GS 810    | 8"        | 2.25"      | 10"     | 229274     | 857.14   |

## Modular Vise

- Vises are matched
- High accuracy
- High quality alloy steel
- Unlimited clamping range
- High clamping pressure
- No length or height restrictions
- No jaw lift, Low profile



**HOT PRICE!**



| Model No. | Jaw Width | Jaw Height | Opening | A.C.T. No. | Price \$ |
|-----------|-----------|------------|---------|------------|----------|
| 382-015   | 6         | 2.000      | 8       | 201319     | 733.33   |

## Soft Jaws

- 3 per set
- 1.5 x 60 Serration

**Made in Italy by Talmac**



### Pointed/Offset holes

| Kitagawa Chuck Type    | Chuck Dia. | Jaw Height | A.C.T. No. | Price \$/Set (3pc) |
|------------------------|------------|------------|------------|--------------------|
| B08, BB08, B208, BB208 | 8"         | 40mm       | 266944     | 64.28              |
| B10, BB10, B210, BB210 | 10"        | 40mm       | 252799     | 66.43              |
| B10, BB10, B210, BB210 | 10"        | 100mm      | 491-476*   | 161.00             |
| B212, BB212, BT212     | 12"        | 50mm       | 251430     | 101.01             |
| B15 & B18              | 15"/18"    | 60mm       | 491-581*   | 200.44             |

### Square

| Kitagawa Chuck Type    | Chuck Dia. | Jaw Height | A.C.T. No. | Price \$/Set (3pc) |
|------------------------|------------|------------|------------|--------------------|
| B08, BB08, B208, BB208 | 8"         | 40mm       | 265847     | 60.72              |
| B10, BB10, B210, BB210 | 10"        | 40mm       | 491-421*   | 63.85              |
| B212, BB212, BT212     | 12"        | 50mm       | 262224     | 87.21              |
| B212, BB212, BT212     | 12"        | 80mm       | 269864     | 152.04             |
| B212, BB212, BT212     | 12"        | 100mm      | 248350     | 194.12             |
| B15 & B18              | 15"/18"    | 60mm       | 491-586*   | 200.44             |

\*Manufacturer Part Number Listed.

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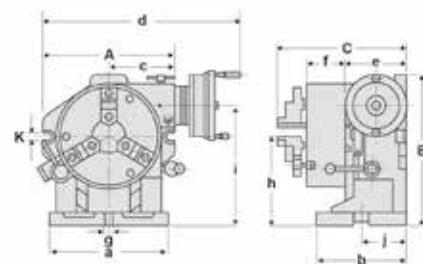
BURNABY  
Phone: 604.294.6271  
Toll Free: 1 800.667.1504

EDMONTON  
Phone: 780.462.1777  
Toll Free: 1 800.661.5979

## Super Indexing Spacer



- 3-jaw chuck mounted
- In addition to all of the features of the simple indexing spacer, the super indexing spacer incorporates a worm gear and is supplied with a face plate. With the further addition of the optional dividing plate set, it can also be used as a dividing head.
- The worm gear is hardened and precision ground to minimize wear

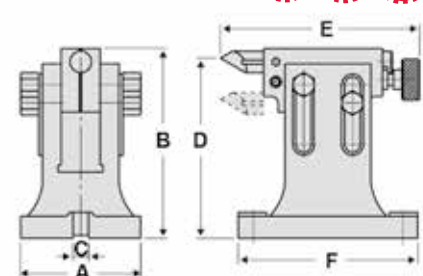


| Model No. | Model | Dividable Number      | A (mm) | B (mm) | C (mm) | a (mm) | b (mm) | c (mm) | d (mm) | e (mm) | f (mm) | g (mm) | h (mm) | i (mm) | j (mm) | k (mm) | Weight (kg) | A.C.T. No. | Price    |
|-----------|-------|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|------------|----------|
| 277088    | CS-6  | 2, 3, 4, 6, 8, 12, 24 | 250    | 224    | 190    | 190    | 140    | 117    | 420    | 97     | 65     | 16     | 130    | 198    | 84     | 18     | 35          | 221876     | 1,029.21 |
| 277090    | CS-8  | 2, 3, 4, 6, 8, 12, 24 | 310    | 295    | 212    | 225    | 160    | 142    | 460    | 108    | 76     | 16     | 160    | 245    | 95     | 18     | 70          | 246333     | 1,241.04 |

## Tail Stock for CC & CS Type Indexing Spacers



- When using indexing spacers in a vertical position, these tail stocks can be used to support the work piece and ensure accurate alignment.

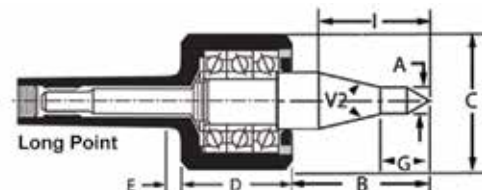


| Model No. | Suitable for... | A (mm) | B (mm) | C (mm) | Current Height Max./ Min. (mm) | E (mm) | F (mm) | Weight (kg) | A.C.T. No. | Price  |
|-----------|-----------------|--------|--------|--------|--------------------------------|--------|--------|-------------|------------|--------|
| 277084    | CC-6/CS-6       | 125    | 147    | 16     | 138/115                        | 194    | 177    | 8.2         | 165057     | 291.90 |
| 277086    | CC-8/CS-8       | 123    | 194    | 16     | 170/135                        | 204    | 184    | 8.6         | 246334     | 330.87 |

## Heavy Duty Live Centers - Long Point



- Accuracy guaranteed to  $\pm 0.00005''$
- Four bearing design for superior performance
- Points are through-hardened to 61-63 HRC
- Full-length spindle for extra rigidity
- Less tailstock pressure required
- Body heat-treated for additional strength



| Model No. | Taper | A (Inch) | B (Inch) | C (Inch) | D (Inch) | E (Inch) | G (Inch) | V2  | I (Inch) | Max RPM | Workpiece Weight (lbs) | A.C.T. No. | Price  |
|-----------|-------|----------|----------|----------|----------|----------|----------|-----|----------|---------|------------------------|------------|--------|
| 100382    | MT3   | 3/8      | 2        | 1-3/4    | 2-3/8    | 3/8      | 3/4      | 30° | 1-11/16  | 5000    | 310                    | 100382*    | 476.23 |
| 100383    | MT4   | 1/2      | 2-1/2    | 2-7/8    | 3-5/16   | 3/8      | 15/16    | 30° | 2-3/32   | 5500    | 1100                   | 100383*    | 593.14 |
| 100384    | MT5   | 1/2      | 2-1/2    | 2-7/8    | 3-5/16   | 3/8      | 15/16    | 30° | 2-3/32   | 5500    | 1100                   | 100384*    | 626.30 |

\*Manufacturer Part Number Listed.

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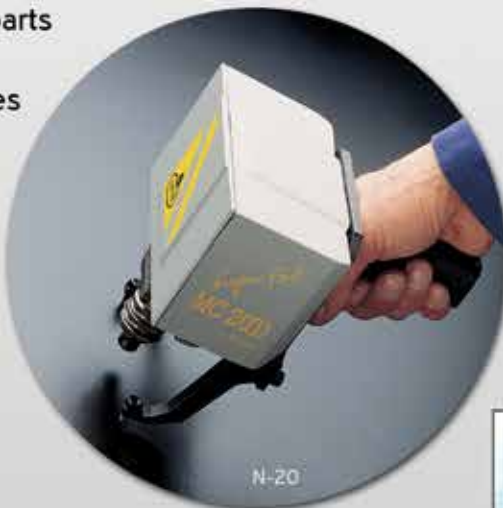
# MARK IT DEEP, FAST, AND READABLE!

EVEN AFTER PAINTING, GALVANIZING OR PLATING

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AND THE OIL & GAS INDUSTRY

## PORTABLE DEEP MARKING WITH THE MC2000 N-20 AND N-34

- Fastest and deepest dot-peen marking in the industry
- Configured for portable use (5 and 9.1 meter cable options)
- Capable of marking flat and round parts
- Stop-Start buttons are in the handles
- Text input from keyboard, bar code reader or external RS-232



|                                  | HEAVY DUTY<br>N-34 MARKING HEAD              | HEAVY DUTY<br>N-20 MARKING HEAD                                             |
|----------------------------------|----------------------------------------------|-----------------------------------------------------------------------------|
| MARKING AREAS                    | 200MM X 35MM<br>72MM X 35MM<br>150MM X 100MM | 50MM X 17MM<br>100MM X 17MM<br>160MM X 17MM<br>90MM X 60MM<br>150MM X 100MM |
| ALPHA/NUMERIC<br>CHARACTER MARKS | 4MM TO 25MM                                  | 2MM TO 25MM                                                                 |



N-34: 0.020-0.025" DEEP  
N-20: 0.010-0.015" DEEP



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## 3 Jaw Cast Iron Body Scroll Chucks - 2pc Hard Rev. Jaws

### Also available:

- 3 Jaw Cast Iron Camlock Mount
- 3 Jaw Steel Body Plain Back
- 3 Jaw Steel Body Camlock Mount
- 4 Jaw Ind. Plain Back
- 4 Jaw Ind. Camlock Mount



**Great Selection!  
Great Savings!**



| Model No. | Chuck Size     | A.C.T. No. | Price \$ |
|-----------|----------------|------------|----------|
| 4440710   | 6" Plain Back  | 4440710*   | 319.86   |
| 4440715   | 8" Plain Back  | 4440715*   | 382.31   |
| 4440720   | 10" Plain Back | 4440720*   | 507.30   |
| 4440725   | 12" Plain Back | 4440725*   | 794.01   |

## Clamping Kit



### Includes:

- 6 T-slot nuts
- 6 flange nuts
- 4 coupling nuts
- 1/2-13 x 5/8" table slot
- 6 step blocks
- 6 serrated end clamps
- 24 studs, 4 each of 3", 4", 5", 6", 7", 8" long
- 1 Plastic holder



**HOT PRICE!**

| Model No. | T-Slot Size  | A.C.T. No. | Price \$ |
|-----------|--------------|------------|----------|
| 608-000   | 1/2-13 x 5/8 | 137640     | 107.00   |

\*Manufacturer Part Number Listed.

## Flap Wheels

Abrasive flap wheels with spindle for hand-held machines for working on profiled workpieces, inner surfaces, bottlenecks and hardly accessible areas, especially suited for radial applications.

**Applications:** Metal, Wood, Plastic

**Bonding Agent:** Resin

**Grain:** Aluminum Oxide

| Grit | Width | 1" Dia.    |          | 2" Dia.    |          | 3" Dia.    |          |
|------|-------|------------|----------|------------|----------|------------|----------|
|      |       | A.C.T. No. | Price \$ | A.C.T. No. | Price \$ | A.C.T. No. | Price \$ |
| 40   | 1"    | 99650      | 2.84     | 103192     | 3.80     | 103191     | 5.00     |
| 60   | 1"    | 56370      | 2.84     | 55580      | 3.80     | 56325      | 5.00     |
| 80   | 1"    | 59616      | 2.84     | 64574      | 3.80     | 56322      | 5.00     |
| 120  | 1"    | 56326      | 2.84     | 56383      | 3.80     | 68121      | 5.00     |
| 180  | 1"    | 212661     | 2.84     | 200571     | 3.80     | 56387      | 5.00     |
| 240  | 1"    | 212662     | 2.84     | 200572     | 3.80     | 100123     | 5.00     |
| 320  | 1"    | 212663     | 2.84     | 212664     | 3.80     | 163134     | 5.00     |



Abrasive Technology



## Shop Rolls

KL361 Premium High-quality, highly flexible abrasive cloth for versatile applications such as hand cleaning, polishing, deburring and sharpening. **Made in Germany.**

**Applications:** Stainless Steel, Steel, Metal

**Grain:** Aluminum Oxide

**Coating:** Closed

**Backing:** JF



Abrasive Technology

| Grit | 1" x 50 YD |          | 1.1/2" x 50 YD |          | 2" x 50 YD |          |
|------|------------|----------|----------------|----------|------------|----------|
|      | A.C.T. No. | Price \$ | A.C.T. No.     | Price \$ | A.C.T. No. | Price \$ |
| 80   | 86373      | 26.63    | 54604          | 40.64    | 54608      | 52.43    |
| 100  | 56388      | 26.63    | 54601          | 40.64    | 54609      | 52.43    |
| 120  | 56390      | 26.63    | 54603          | 40.64    | 56408      | 52.43    |
| 150  | 54599      | 26.63    | 86453          | 40.64    | 56409      | 52.43    |
| 180  | 86446      | 26.63    | 54613          | 40.64    | 54610      | 52.43    |
| 220  | 86447      | 26.63    | 56403          | 40.64    | 54611      | 52.43    |
| 240  | 86448      | 26.63    | 54605          | 40.64    | 86460      | 52.43    |
| 280  | -          | -        | 86454          | 40.64    | 86461      | 52.43    |
| 320  | 54600      | 26.63    | 86455          | 40.64    | 56410      | 52.43    |
| 400  | 56391      | 26.63    | 86457          | 40.64    | 86464      | 52.43    |
| 500  | -          | -        | 86458          | 40.64    | -          | -        |
| 600  | 86451      | 26.63    | 86459          | 40.64    | 86466      | 52.43    |

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## Scotch-Brite™ Hand Pads



| Model No. | Size    | Description              | A.C.T. No. | Price \$/ea. when buying Box Quantity | Box Quantity |
|-----------|---------|--------------------------|------------|---------------------------------------|--------------|
| 7440B     | 6" x 9" | Heavy Duty - Tan         | 55347      | 2.65                                  | 40/box       |
| 7445B     | 6" x 9" | Light Cleansing - White  | 55348      | 1.16                                  | 60/box       |
| 7446B     | 6" x 9" | Blending - Grey          | 55349      | 1.78                                  | 40/box       |
| 7447B     | 6" x 9" | General Purpose - Maroon | 55307      | 0.86                                  | 60/box       |
| 7448B     | 6" x 9" | Ultra Fine - Grey        | 55310      | 0.86                                  | 60/box       |

## Depressed Center Grinding Wheel

For the ideal combination of value and performance, choose these 3M High Performance depressed center grinding wheels. They feature 3M ceramic abrasive grain for fast cut and long life, and are specially formulated for use on stainless and mild steel.



| Model No. | Size             | Type | A.C.T. No. | Price \$/ea. when buying Pkg Qty | Pkg Qty |
|-----------|------------------|------|------------|----------------------------------|---------|
| 66545     | 5" x 1/4" x 7/8" | 27   | 66545*     | 5.23                             | 10      |

## Cubitron™ II Depressed Center Grinding Wheel

3M™ Cubitron™ II bonded abrasive grinding and cut-off wheels are revolutionizing the grinding process. They're faster cutting and longer lasting than conventional grinding wheels. With 3M precision-shaped grain technology that transforms the process of grinding metal, Cubitron II abrasives can:

- Cut faster
- Stay sharp longer
- Require less pressure
- Help reduce operator fatigue
- Help improve productivity



| Model No. | Size             | Type | A.C.T. No. | Price \$/ea. when buying Pkg Qty | Pkg Qty |
|-----------|------------------|------|------------|----------------------------------|---------|
| 66588     | 5" x 1/4" x 7/8" | 27   | 66588*     | 8.39                             | 10      |

\*Manufacturer Part Number Listed.

## Cubitron™ II Fibre Disc 982C



Cubitron™ II Fibre Discs are made with revolutionary 3M precision-shaped ceramic grain technology, engineered with ultra-sharp, fast-cutting points that wear evenly, run cool and optimize mineral breakdown to maximize disc life.

### Get More...

- More productivity
- More throughput
- More disc life
- More comfort
- More grinding speed

### ...For Less!



Choose **987C** for a complete stainless steel solution

Choose **982C** for a complete carbon steel solution

| Model No. | Size           | Type | A.C.T. No. | Price \$/ea. when buying Pkg Qty | Pkg Qty |
|-----------|----------------|------|------------|----------------------------------|---------|
| 27401     | 5" x 7/8" Hole | 982C | 27401*     | 3.41                             | 25      |
| 27448     | 5" x 7/8" Hole | 987C | 27448*     | 3.41                             | 25      |

## Fibre Disc Pad & Retainer Nut



| Model No. | Size         | A.C.T. No. | Price \$/ea. |
|-----------|--------------|------------|--------------|
| AB04813   | 5" x 5/8"-11 | AB04813*   | 19.50        |

## Zirconia Alumina Depressed Center & Cut-Off Wheels

### Features & Benefits

- 2-3 times the life of aluminum oxide wheels
- Up to 20% increase in performance and life over our former zirconia alumina wheels
- Broad utility from light-to-heavy-pressure applications, on a wide range of materials
- Excellent performance-to-price ratio for lower total grinding costs
- Contain <0.1% iron, sulfur, or chlorine for rust-free and corrosion-free results; will not contaminate stainless steel
- Foundry Wheels Available - Zirconia alumina/silicon carbide abrasive blend and an exceptionally strong reinforcement structure



#### 4-1/2" Wheels

| A.C.T. No.   | D X T X H         | Price \$ |
|--------------|-------------------|----------|
| 66252843190* | 4-1/2 x 1/8 x 7/8 | 4.54     |
| 66252843192* | 4-1/2 x 1/4 x 7/8 | 4.56     |

#### 5" Wheels

| A.C.T. No. | D X T X H     | Price \$ |
|------------|---------------|----------|
| 271946     | 5 x 1/8 x 7/8 | 3.47     |
| 269971     | 5 x 1/4 x 7/8 | 3.54     |

#### 6" Wheels

| A.C.T. No.   | D X T X H     | Price \$ |
|--------------|---------------|----------|
| 66252843198* | 6 x 1/8 x 7/8 | 6.09     |
| 66252843200* | 6 x 1/4 x 7/8 | 6.39     |

#### 7" Wheels

| A.C.T. No.   | D X T X H     | Price \$ |
|--------------|---------------|----------|
| 66252843182* | 7 x 1/8 x 7/8 | 7.32     |
| 272670       | 7 x 1/4 x 7/8 | 5.67     |

#### 9" Wheels

| A.C.T. No.   | D X T X H     | Price \$ |
|--------------|---------------|----------|
| 66252843186* | 9 x 1/8 x 7/8 | 10.85    |
| 270609       | 9 x 1/4 x 7/8 | 8.40     |

## Gemini Rightcut Stainless Cut-Off Wheels

*These wheels' contaminant-free bond makes these an excellent choice for steel and stainless steel.*

### Features & Benefits

- High performance abrasive blend at a competitive price
- Fast cutting with excellent life on carbon steel and stainless steel
- Contaminant free bond. Contains <0.1% iron, sulfur or chlorine for rust-free and corrosion-free results on stainless steel.
- Made in U.S.A.

*\*Manufacturer Part Number Listed.*

#### Gemini Rightcut

| Size               | A.C.T. No.   | Price \$ |
|--------------------|--------------|----------|
| 4.1/2 x .045 x 7/8 | 66252841997* | 2.70     |
| 5 x .045 x 7/8     | 66252841998* | 2.74     |
| 6 x .045 x 7/8     | 66252841999* | 2.97     |
| 7 x .045 x 7/8     | 66252842000* | 3.96     |

#### Gemini Rightcut

| Size               | A.C.T. No.   | Price \$ |
|--------------------|--------------|----------|
| 4.1/2 x .045 x 7/8 | 66252841912* | 2.70     |
| 5 x .045 x 7/8     | 66252841914* | 2.74     |
| 6 x .045 x 7/8     | 66252841916* | 2.97     |
| 7 x .045 x 7/8     | 66252841918* | 3.96     |



## NEON R766 Aluminum Oxide Flap Discs - Type 27

*Ideal when purchasing criteria is a well-performing, economically priced, general purpose disc. Their versatility and economical price make Norton Neon flap discs ideal for shops with diverse requirements - from stock removal to blending and more!*

### Features & Benefits

- Alternating aluminum oxide (green) and zirconia alumina (blue) flaps
- +30% life over key competitors' aluminum oxide flap discs
- The plastic backing wears away as the disc grinds, allowing full use of flaps
- Versatile 36, 40, 60, 80 & 120 grit range performs well against difficult-to-grind metals like aluminum, brass, bronze, stainless & carbon steel, and titanium.



*\*Manufacturer Part Number Listed.*

#### 4.1/2" x 7/8"

| Grit | A.C.T. No.   | Price \$ |
|------|--------------|----------|
| 36   | 66623399126* | 3.44     |
| 40   | 66623399004* | 3.44     |
| 60   | 66623399005* | 3.44     |
| 80   | 66623399006* | 3.44     |
| 120  | 66623399007* | 3.44     |

#### 5" x 7/8"

| Grit | A.C.T. No.   | Price \$ |
|------|--------------|----------|
| 36   | 66623399133* | 3.47     |
| 40   | 66623399008* | 3.47     |
| 60   | 66623399009* | 3.47     |
| 80   | 66623399010* | 3.47     |
| 120  | 66623399011* | 3.47     |

#### 6" x 7/8"

| Grit | A.C.T. No.   | Price \$ |
|------|--------------|----------|
| 40   | 66623399012* | 4.94     |
| 60   | 66623399013* | 4.94     |
| 80   | 66623399014* | 4.94     |
| 120  | 66623399015* | 4.94     |

#### 7" x 7/8"

| Grit | A.C.T. No.   | Price \$ |
|------|--------------|----------|
| 36   | 66623399135* | 7.36     |
| 40   | 66623399020* | 7.36     |
| 60   | 66623399021* | 7.36     |
| 80   | 66623399022* | 7.36     |
| 120  | 66623399023* | 7.36     |

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## End Brushes - 1/4" Stem Mounted

For use with portable power tools. Excellent for use in cleaning and finishing recessed areas or pipes. Knot type wire end brushes provides aggressive cutting action.

### Knotted Wire End Brush

| Dia.   | Wire Type | Wire Size | Trim Length | Max RPM | A.C.T. No. | Price \$ |
|--------|-----------|-----------|-------------|---------|------------|----------|
| 1.1/8" | Steel     | .0118     | 1.3/16"     | 22,000  | 161218     | 19.83    |
| 1.1/8" | Steel     | .014      | 7/8"        | 22,000  | 161448     | 10.89    |
| 1.1/8" | Stainless | .014      | 7/8"        | 22,000  | 140393     | 20.82    |
| 1.1/8" | Steel     | .020      | 7/8"        | 22,000  | 126222     | 10.71    |
| 1.1/8" | Stainless | .020      | 7/8"        | 22,000  | 234441     | 18.65    |

For use with portable power tools. Excellent for use in cleaning and finishing recessed areas or pipes. Circular flared brush for side cleaning action.

### Crimped Wire End Brush

| Dia. | Wire Type | Wire Size | Trim Length | Max RPM | A.C.T. No. | Price \$ |
|------|-----------|-----------|-------------|---------|------------|----------|
| 1/2" | Steel     | .0104     | 7/8"        | 25,000  | 130226     | 4.61     |
| 1/2" | Stainless | .0104     | 7/8"        | 25,000  | 133374     | 6.31     |
| 1"   | Steel     | .0104     | 7/8"        | 22,000  | 190762     | 7.10     |
| 1"   | Stainless | .0104     | 7/8"        | 22,000  | 111198     | 12.14    |

Specifically designed for increased durability when cleaning right angles, corners, fillet welds and other hard-to-reach areas.

### Controlled Flare Wire End Brush

| Dia. | Wire Type | Wire Size | Trim Length | Max RPM | A.C.T. No. | Price \$ |
|------|-----------|-----------|-------------|---------|------------|----------|
| 1"   | Steel     | .014      | 1"          | 22,000  | 254141     | 10.96    |
| 1"   | Stainless | .014      | 1"          | 22,000  | 248279     | 18.34    |

## Conflex Brushes - 1/4" Stem Mounted

Specially designed for cleaning a variety of dirt and grime. For light duty brushing action.

| Dia. | Wire Type | Wire Size | Trim Length | Max RPM | A.C.T. No. | Price \$ |
|------|-----------|-----------|-------------|---------|------------|----------|
| 2"   | Steel     | .0118     | 1/2"        | 20,000  | 98724      | 9.12     |
| 3"   | Steel     | .014      | 1"          | 20,000  | 130246     | 8.42     |

## Stringer Bead Weld Cleaning Brushes

Each knot is twisted through its own hole and locked into an individual sprocket. This prevents the knots from moving around the radius and allows them to have a stronger striking action on the work surface.

| Dia.   | Wire Type | Wire Size | Arbor Hole | Face Width | Trim Length | Max RPM | A.C.T. No. | Price \$ |
|--------|-----------|-----------|------------|------------|-------------|---------|------------|----------|
| 5"     | Steel     | .020      | 5/8-11NC   | 3/16"      | 7/8"        | 12,500  | 129738     | 12.93    |
| 5"     | Stainless | .020      | 5/8-11NC   | 3/16"      | 7/8"        | 12,500  | 136293     | 26.06    |
| 6"     | Steel     | .020      | 5/8-11NC   | 3/16"      | 1.1/8"      | 12,500  | 177601     | 19.07    |
| 6"     | Stainless | .020      | 5/8-11NC   | 3/16"      | 1.1/8"      | 12,500  | 141311     | 34.23    |
| 6.1/2" | Steel     | .023      | 5/8-11NC   | 1/2"       | 1.3/8"      | 12,500  | 127226     | 17.10    |
| 6.7/8" | Steel     | .020      | 5/8-11NC   | 3/16"      | 1.1/8"      | 9,000   | 128879     | 19.45    |
| 6.7/8" | Stainless | .020      | 5/8-11NC   | 3/16"      | 1.1/8"      | 9,000   | 141123     | 34.00    |

## Knot Cup Brushes - Steel

Excellent for cleaning prior to welding. Great for removing rust and paint.

| Dia. | Wire Type | Wire Size | Arbor Hole | Trim Length | Max RPM | A.C.T. No. | Price \$ |
|------|-----------|-----------|------------|-------------|---------|------------|----------|
| 5"   | Steel     | .023      | 5/8-11NC   | 1.3/8"      | 7,000   | 94844      | 33.99    |
| 6"   | Steel     | .023      | 5/8-11NC   | 1.3/8"      | 6,600   | 130230     | 43.27    |
| 6"   | Stainless | .023      | 5/8-11NC   | 1.3/8"      | 6,600   | 157959     | 83.14    |

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# Mitutoyo



**HOT PRICE!**

**IN STOCK!**

## ***HARDNESS TESTER MANUAL LOADING***

**MODEL:** HR-110MR

**A.C.T. No.:** 262512

**REG. PRICE:** \$5,280.00

**SPECIAL PRICE:** **\$3,995.00**

1 UNIT IN STOCK

**PRICES GOOD WHILE QUANTITIES LAST!**

### ***INCLUDES:***

- 1/16<sup>th</sup> Ball Indenter
- 60-65 RC Range Rockwell C Test Block
- 30-35 RC Range Rockwell C Test Block
- RB Block



**HOT PRICE!**

**IN STOCK!**

## ***SURFTEST***

**MODEL:** SJ-210

**A.C.T. No.:** 164965

**REG. PRICE:** \$2,500.00

**SPECIAL PRICE:** **\$2,125.00**

**PRICES GOOD WHILE QUANTITIES LAST!**

## ***TOOLMAKER'S MICROSCOPES***

**MODEL:** TM-505 & TM-510

| Model No.               | TM-505                                           | TM-510                                           |
|-------------------------|--------------------------------------------------|--------------------------------------------------|
| XY Stage Travel Range   | 2 x 2" / 50 x 50mm                               | 4 x 2" / 100 X 50mm                              |
| Measurement Method      | Digimatic Micrometer Head<br>IN/MM (164-164 2pc) | Digimatic Micrometer Head<br>IN/MM (164-164 2pc) |
| XY Stage Table Top Size | 6 x 6" / 152 x 152mm                             | 9.4 x 6" / 240 x 152mm                           |
| Effective Area of Table | 3.8" x 3.8" / 96 x 96mm                          | 6 x 3.8" / 154 x 96mm                            |
| Max. Workpiece Height   | 4.5" / 115mm                                     | 4.2" / 107mm                                     |
| Max. Stage Loading      | 11 lbs                                           |                                                  |



**PROJECTORS • SURFTESTS • LINEAR HEIGHT GAGES • HARDNESS TESTERS • AND MORE!**

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## Digimatic Calipers - Series 500

Featuring Absolute Linear Encoder technology and large .295" high LCD digits. While Quantities Last.



**Mitutoyo**

| Model No.  | Measuring Range | LCD Resolution  | A.C.T. No. | Price \$ |
|------------|-----------------|-----------------|------------|----------|
| 500-196-20 | 0-6" (0-150mm)  | .0005" (0.01mm) | 116172     | 151.20   |
| 500-197-20 | 0-8" (0-200mm)  | .0005" (0.01mm) | 116173     | 202.40   |
| 500-193    | 0-12" (0-300mm) | .0005" (0.01mm) | 114610     | 371.20   |

With SPC Output



| Model No.  | Measuring Range | LCD Resolution  | A.C.T. No. | Price \$ |
|------------|-----------------|-----------------|------------|----------|
| 500-171-20 | 0-6" (0-150mm)  | .0005" (0.01mm) | 105152     | 172.80   |
| 500-172-20 | 0-8" (0-200mm)  | .0005" (0.01mm) | 103790     | 226.40   |

## Coolant Proof Digimatic Calipers

Features digital display as well as protection against dust and water spray from any direction. The worlds first coolant-proof caliper!



**Mitutoyo**

While Quantities Last.

| Model No.  | Measuring Range | LCD Resolution  | A.C.T. No. | Price \$ |
|------------|-----------------|-----------------|------------|----------|
| 500-752-10 | 0-6" (0-150mm)  | .0005" (0.01mm) | 187346     | 177.60   |
| 500-753-10 | 0-8" (0-200mm)  | .0005" (0.01mm) | 148736     | 252.80   |
| 500-754-10 | 0-12" (0-300mm) | .0005" (0.01mm) | 175012     | 345.60   |

## Precision Vernier Caliper - Series 530

The finest of vernier calipers for accurate work, with Mitutoyo's exclusive "Quadri" 4-way measuring feature. Accuracy  $\pm 0.03$ mm.



**Mitutoyo**

| Model No. | Range       |             | Resolution  |             | Code  | Price \$ |
|-----------|-------------|-------------|-------------|-------------|-------|----------|
|           | Lower Scale | Upper Scale | Lower Scale | Upper Scale |       |          |
| 530-105   | 0-6"        | 0-6"        | .001"       | 1/128"      | 66990 | 71.20    |
| 530-116   | 0-8"        | 0-8"        | .001"       | 1/128"      | 36234 | 97.60    |
| 530-312   | 0-150mm     | 0-6"        | .02mm       | .001"       | 36236 | 78.40    |
| 530-118   | 0-200mm     | 0-8"        | .02mm       | .001"       | 36235 | 97.60    |

## Replacement Battery

**DURACELL**

Replacement battery for electronic digital measuring tools. These batteries are equivalent to the SR44 battery that is standard for most tools.



**Don't Forget Replacement Batteries!**

| Size   | PKG | A.C.T. No. | Price \$ |
|--------|-----|------------|----------|
| MN76-1 | 1   | 104713     | 4.50     |

## Dial Calipers - Series 505

- Resolution: .001"
- Extra-rigid main beam
- Sliding surfaces of the main blade are coated with titanium (Except 12" model)



**Mitutoyo**

While Quantities Last.

| Model No. | Measuring Range | Range/Rev | Accuracy     | A.C.T. No. | Price \$ |
|-----------|-----------------|-----------|--------------|------------|----------|
| 505-675   | 0-6"            | .10"      | $\pm .001$ " | 187329     | 118.40   |
| 505-676   | 0-8"            | .10"      | $\pm .001$ " | 173258     | 164.00   |
| 505-677   | 0-12"           | .10"      | $\pm .002$ " | 187330     | 276.80   |

## Carbon Fibre Calipers

**Mitutoyo**



- Lightweight Digimatic Calipers that employ **Carbon Fiber Reinforced Plastics** in the beam and jaws.
- Highly durable and easy to handle.
- The range of applications can be expanded by using the optional attachments.
- Direct readout of ID measurements from the LCD. (Offset value can be set easily by pressing the Offset key.)
- Long jaws & Ceramic jaws are also available as well as:



Centerline Attachments



Pointed ID Measuring Attachments

## Calipers Only



| Model No.  | Measuring Range | Resolution    | Accuracy     | A.C.T. No. | Price \$ |
|------------|-----------------|---------------|--------------|------------|----------|
| 552-313-10 | 0(.5")-24"      | .0005"/0.01mm | $\pm .002$ " | 237921     | 926.40   |

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## Bore Gage

- Most popular bore gages
- Carbide-tipped contact points for durability
- The dial indicator is fully protected by a rugged cover
- Optional extension rods can be attached for measuring deep holes



**Mitutoyo**

*Indicator Not Included  
While Quantities Last.*

| Model No. | Range    | Number of Anvils | A.C.T. No. | Price \$ |
|-----------|----------|------------------|------------|----------|
| 511-732   | 1.4-2.5  | 9                | 198452     | 232.80   |
| 511-713   | 50-150MM | 11               | 229382     | 300.80   |

## Pocket Steel Rule - Series 950



**Mitutoyo**

| Model No. | Size       | Graduations | Width | Code  | Price \$ |
|-----------|------------|-------------|-------|-------|----------|
| 950-300   | 6" x 150mm | 1mm 1/64    | 1/2"  | 64411 | 8.80     |

## Steel Rules - Series 182

| Model No. | Size       | Graduations            | Width | A.C.T. No. | Price \$ |
|-----------|------------|------------------------|-------|------------|----------|
| 182-101   | 6" (4R)    | 1/8 1/16 1/32 1/64     | 3/4"  | 35583      | 12.24    |
| 182-105   | 6" x 150mm | 1/32 1/64 1mm 2mm      | 3/4"  | 35587      | 12.24    |
| 182-108   | 6" x 150mm | 1/10 1/50 1mm 0.5mm    | 3/4"  | 35590      | 19.20    |
| 182-122   | 12" (16R)  | 1/32 1/64 1/50 1/100th | 1"    | 35593      | 28.00    |
| 182-201   | 6" (4R)    | 1/8 1/16 1/32 1/64     | 1/2"  | 35611      | 12.80    |
| 182-205   | 6" x 150mm | 1/32 1/64 1mm 2mm      | 1/2"  | 35615      | 12.80    |

## Combination Square Sets - Series 180

Combination Square sets are available in a large variety of styles and sizes.

**Mitutoyo**

| Model No. | Set Type | Length | Blade Model   | Square Head Model | Center Head Model | Protractor Head Model | A.C.T. No. | Price \$ |
|-----------|----------|--------|---------------|-------------------|-------------------|-----------------------|------------|----------|
| 180-905U  | Inch     | 12"    | (4R) 180-501U | 180-102U          | 180-202U*         | 180-301U              | 55969      | 178.40   |

\*Hardened Cast Iron Center Head

## Edge Finder

Mitutoyo edge finders are hardened and ground on all surfaces.



**While Quantities Last!**

| Model No. | Shank Dia.   | Tip Dia. | A.C.T. No. | Price \$ |
|-----------|--------------|----------|------------|----------|
| 050101    | 3/8" (.375") | .20"     | 58042      | 22.40    |
| 050102    | 1/2" (.5")   | .20"     | 58043      | 23.20    |

## Telescoping Gages Series 155

**Mitutoyo**



| Model No. | Range      | No. of Gages | A.C.T. No. | Price \$ |
|-----------|------------|--------------|------------|----------|
| 155-903   | .313" - 6" | 6-gage set   | 35549      | 167.04   |

**Mitutoyo**

Satin chrome finish and stainless tempered. Engraved on front side only. Backside has Inch/Metric equivalents.



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## MDC-LITE Digimatic Micrometer

MDC-Lite (with Ratchet Stop) is an economy version Digimatic. The world's lightest digital micrometer .55 lbs (250g).



| Model No. | Range              | Resolution           | Accuracy          | A.C.T. No. | Price \$ |
|-----------|--------------------|----------------------|-------------------|------------|----------|
| 293-831   | 0-1"<br>(0-25.4mm) | .00005"<br>(0.001mm) | ±.0001"<br>(±2µm) | 215941     | 118.08   |

## Outside Micrometers

- Wide measuring range with interchangeable anvils
- Carbide-tipped spindle
- Provided with Ratchet Stop for constant force



**Mitutoyo**

*While Quantities Last.*

| Model No. | Range | Description                     | A.C.T. No. | Price \$ |
|-----------|-------|---------------------------------|------------|----------|
| 104-137   | 0-6"  | Includes 6 Anvils & 5 Standards | 35348      | 358.40   |
| 104-138   | 6-12" | Includes 6 Anvils & 6 Standards | 35349      | 548.00   |

## Inside Micrometers - Series 141

Popular measuring instrument due to ease of use and wide range of measuring capacity.



**Mitutoyo**

| Model No. | Range | Spacing Collar | Rod Diameter | Code   | Price \$ |
|-----------|-------|----------------|--------------|--------|----------|
| 141-208   | 2-8"  | .500"          | .248"        | 166223 | 149.60   |
| 141-233   | 2-12" | .500"          | .248"        | 35511  | 184.00   |

## Outside Micrometers - Series 103

The 103 Series is the workhorse of micrometers. Carbide faces, Ratchet Stop for exact repetitive readings. Includes standards.



**Mitutoyo**

*While Quantities Last.*

| Model No. | Range | Resolution | A.C.T. No. | Price \$ |
|-----------|-------|------------|------------|----------|
| 103-177   | 0-1"  | .001"      | 35279      | 72.80    |
| 103-178   | 1-2"  | .001"      | 35280      | 84.00    |
| 103-179   | 2-3"  | .001"      | 35281      | 104.00   |
| 103-180   | 3-4"  | .001"      | 35282      | 117.60   |
| 103-181   | 4-5"  | .001"      | 35283      | 125.60   |

## Outside Micrometer Sets

**Mitutoyo**



*While Quantities Last.*

| Model No.   | Range | Resolution | A.C.T. No. | Price \$ |
|-------------|-------|------------|------------|----------|
| 103-904-10* | 0-6"  | .001"      | 35332      | 662.40   |
| 103-907-01* | 0-6"  | .0001"     | 35335      | 656.00   |

\*Includes Standards

## Micrometer Stand

Adjustable angle type

**Mitutoyo**



| Model No.  | Range            | Code  | Price \$ |
|------------|------------------|-------|----------|
| 156-101-10 | Up to 4" / 100mm | 35552 | 72.80    |



## "Quick Set" Test Indicators - Series 513 Horizontal Type

Direct gear train design means a higher level of sensitivity and reliability. Features jeweled bearings and standard dovetail mount. Complete unit includes: 2 contact points (.039" & .118"), 2 mounting stems with nut (3/8" & 5/32"), 1 square arm and 1 swivel clamp.

**While Quantities Last.**

| Model No. | Unit                               | Grad.  | Range | Dial Reading | Accuracy | A.C.T. No. | Price \$ |
|-----------|------------------------------------|--------|-------|--------------|----------|------------|----------|
| 513-402   | Basic Unit                         | .0005" | .03"  | 0-15-0       | ± .0005" | 109739     | 95.20    |
| 513-402T  | Complete Unit                      | .0005" | .03"  | 0-15-0       | ± .0005" | 107938     | 137.60   |
| 513-412T  | Complete Unit - Long Contact Point | .0005" | .03"  | 0-15-0       | ± .0005" | 114604     | 181.60   |



## Dial Indicators - Series 2 Mitutoyo

Group 2 Dial Indicators feature Inch – ANSI Standard stem (3/8") with lug back. Regular dial Indicator shown.

**While Quantities Last.**

| Model No. | Range | Grad. | Dial Reading | A.C.T. No. | Price \$ |
|-----------|-------|-------|--------------|------------|----------|
| 2416S-10* | 1"    | .001" | 0-100        | 36377      | 103.20   |
| 2416S     | 1"    | .001" | 0-100        | 64780      | 89.60    |
| 2424S-19  | 2"    | .001" | 0-100        | 36379      | 181.60   |

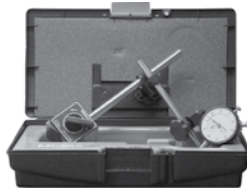
\*Jeweled Bearings



## Dial Indicator and Magnetic Stand Set

Moulded custom case with indicator: 1" range, .001" graduation and 0-100 dial reading. Mag base with 132 lbs. pull. Great value!

**Mitutoyo**



**While Quantities Last!**

| Model No. | Dial Indicator | Magnetic Stand | A.C.T. No. | Price \$ |
|-----------|----------------|----------------|------------|----------|
| 7046PCK   | 2416F          | 7010SN         | 151702     | 164.80   |

## Magnetic Back

- Width: 8mm
- Dia.: 44mm



**Mitutoyo**

| Model No. | Series | Dia. | A.C.T. No. | Price \$ |
|-----------|--------|------|------------|----------|
| 900928    | 2      | 57mm | 60073      | 36.13    |

## Magnetic Stand

Mitutoyo Magnetic Stands accept all AGD-type Dial Indicators, Test Indicators and Probes having 3/8" Dia. shank and/ or Lug Back with 1/4" Dia. mounting hole. ON-OFF Switch offers instant mounting.

**Mitutoyo**



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| Model No. | Description                           | Magnetic Pull | A.C.T. No. | Price \$ |
|-----------|---------------------------------------|---------------|------------|----------|
| 7010SN    | Stand with 6" rod and universal clamp | 132 lbf       | 116918     | 74.40    |

## Universal Magnetic Stand

**Mitutoyo**

- This magnetic stand is a device that enables the setting of dial indicators and dial test indicators in any position
- Fine adjustment mechanism allows easy instrument zeroing
- Can be used with instruments with stem diameter: Ø8mm, Ø6mm, Ø9.525mm



| Model No. | Magnetic Pull | Code   | Price \$ |
|-----------|---------------|--------|----------|
| 7033B     | 134 lb        | 264275 | 182.40   |



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**P**lanned and developed by Mitutoyo Canada Inc., the calibration laboratory is a natural extension of product services to our customers across Canada. This state-of-the-art center provides a large scope of calibration services on a comprehensive range of measuring equipment.

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## Dial Indicator

- White faced indicator
- 2.11/64" dial face
- 3/8" stem diameter
- Graduation .001"
- Travel: 1"



**Indicator & Stand**  
**\$31.00**  
 Codes: 122865 & 146723



## Magnetic Base

Standard type magnetic base for use with dial indicators.

| Model No. | Travel | Dial Reading | Graduation | A.C.T. No. | Price \$ |
|-----------|--------|--------------|------------|------------|----------|
| 200-010   | 1"     | 0-100        | .001"      | 122865     | 15.77    |

| Model No. | Holding Power | L  | Base W | H  | A.C.T. No. | Price \$ |
|-----------|---------------|----|--------|----|------------|----------|
| ECE-302B  | 80 kg         | 60 | 50     | 55 | 146723     | 18.66    |

## Digital Calipers Extra Large LCD

6" or 8" Imperial/Metric Digital calipers with extra large .515" high LCD screen.



| Model No. | Range | A.C.T. No. | Price \$ |
|-----------|-------|------------|----------|
| ID121150S | 0-6"  | 212012     | 22.35    |
| ID121200S | 0-8"  | 212013     | 31.60    |

**HOT PRICE!**

## 12" Digital Calipers



| Model No. | Range | A.C.T. No. | Price \$ |
|-----------|-------|------------|----------|
| 200-647   | 0-12" | 131204     | 112.37   |

## Parallel Set



- Thin style, 1/8" thick
- Made of high grade steel alloy
- Hardened and ground
- Tolerance +/- 0.0003"
- Ten matched pairs in heights: 1/2", 5/8", 3/4", 7/8", 1", 1.1/8", 1.1/4", 1.3/8", 1.1/2" and 1.5/8" in fitted case.



| Model No. | Set Contains Heights | A.C.T. No. | Price \$ |
|-----------|----------------------|------------|----------|
| 230-863   | 1/2 - 1.5/8 X 8ths   | 112816     | 79.63    |

## Outside Micrometer Set

- Ratchet and lock nut
- Complete with standards (2" and up)
- Carbide faces
- Fitted wood case



| Model No. | Range | Graduation | Code   | Price \$ |
|-----------|-------|------------|--------|----------|
| 200-580   | 0-6"  | .0001"     | 70745  | 208.37   |
| 200-098   | 0-12" | .0001"     | 146572 | 651.60   |

## 81pc Rectangular Gage Block Set

- For those who need a competitively priced B grade set
- All blocks are manufactured to the same high standards as our premium sets
- Supplied with a certificate guaranteeing that each block is manufactured to meet or exceed federal spec GGG-G-15C, and is within the grade B tolerance ( $\pm 0.000050$ )
- Each set is provided in a fitted wooden case



| Model No. | Set Contains Heights                                                                                               | Code  | Price \$ |
|-----------|--------------------------------------------------------------------------------------------------------------------|-------|----------|
| 200-715   | 9-.1001-.1009 in .0001 steps, 49-.101-.149 in .001 steps, 19-.050-.950 in .050 steps, 4-1.000-4.000 in 1.000 steps | 98828 | 160.89   |

## 8pc Pin Punch Set



These round shank pin punches have clean and well cut knurling which provides positive, non slip grip. This range of punches have a black oxide finish.



| Model No. | Description                                 | Code   | Price \$ |
|-----------|---------------------------------------------|--------|----------|
| 606-630   | 1/16, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8 | 211499 | 41.57    |

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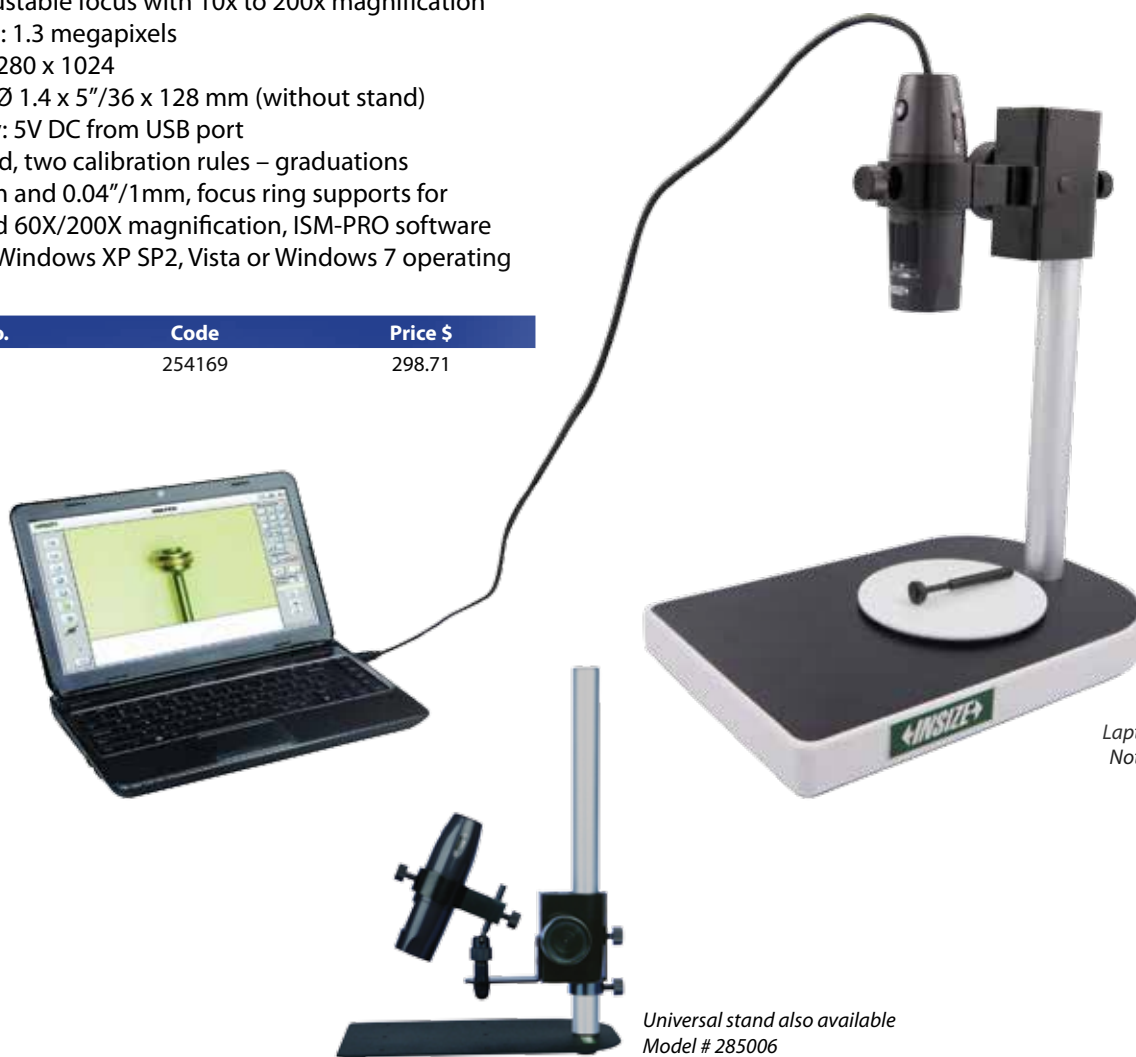
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## Digital Microscope



- Records Photos and Video
- Supplied with geometric software for measurement
- Built in Adjustable LED illuminator
- Two step adjustable focus with 10x to 200x magnification
- Image sensor: 1.3 megapixels
- Resolution: 1280 x 1024
- Dimensions: Ø 1.4 x 5"/36 x 128 mm (without stand)
- Power supply: 5V DC from USB port
- Includes stand, two calibration rules – graduations 0.004"/0.1mm and 0.04"/1mm, focus ring supports for 80X/150X and 60X/200X magnification, ISM-PRO software CD (requires Windows XP SP2, Vista or Windows 7 operating system)

| Model No. | Code   | Price \$ |
|-----------|--------|----------|
| 285000    | 254169 | 298.71   |



*Shown with  
standard stand  
Laptop not included  
Not shown to scale.*

*Universal stand also available  
Model # 285006*

**Oemeta**

Ask your local A.C.T. branch  
about a **Guaranteed Trial Order**<sup>\*</sup>  
on all Oemeta products!

\* Some conditions apply. Ask your branch for details.

**GUARANTEED  
G.T.O.  
Trial Order**

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Phone: 403.279.6016  
Toll Free: 1 800.685.8155

**SASKATOON**  
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Toll Free: 1 866.234.0120

**WINNIPEG**  
Phone: 204.783.3210  
Toll Free: 1 877.783.3201

**FALL-WINTER 2013-2014 53**  
**A.C.T. EQUIPMENT SALES LTD.**

## A.C.T. Blade Aide Sawing Coolant

A.C.T. BLADE AIDE is a full synthetic cutting fluid concentrate for bandsaw blades. Manufactured in Canada by Oemeta, A.C.T. BLADE AIDE is designed to be used when cutting both ferrous and non ferrous metals.



A.C.T.  
**BLADE AIDE**  
from Oemeta

| Model No.      | Size   | A.C.T. No. | Price \$ |
|----------------|--------|------------|----------|
| Blade Aide 4*  | 4L     | 225429*    | 27.29    |
| Blade Aide 4*  | 4 x 4L | 225429*    | 98.24    |
| Blade Aide 20  | 20L    | 225430     | 102.06   |
| Blade Aide 205 | 205L   | 225431     | 867.56   |

\*When placing order, please specify Single Jugs or Case of 4.

## NOVAMET 100

- For all metal machining applications
- Particularly recommended for aluminium and aluminium alloys chipping
- Longer sump life due to its high micro-biological stability
- Its high washing and flushing power ensures cleaner machines and work pieces
- Low foaming even with water hardness from 5°
- Excellent protection against corrosion



| Model No.      | Size       | A.C.T. No. | Price \$ |
|----------------|------------|------------|----------|
| 40.870.24 PAIL | 20kg Pail  | 234503     | 140.53   |
| 40.870.24 DRUM | 200kg Drum | 235495     | 1,331.67 |

## NOVAMET 900

- Excellent material compatibility on steel, yellow metals, aluminum alloys and magnesium
- Robust biostability
- Low consumption combined with high wash activity
- Excellent corrosion protection
- Excellent foam behavior
- Extended sump life
- Most advanced formulation without chlorine, sulphur or phosphorus based additives. Boron free.



| Model No.      | Size       | A.C.T. No. | Price \$ |
|----------------|------------|------------|----------|
| 42.875.13 PAIL | 20kg Pail  | 219462     | 158.69   |
| 40.878.00 DRUM | 200kg Drum | 219463     | 1,481.32 |

## NOVAMET 872

- High lubricity for light, medium and severe applications
- Robust biostability
- Low consumption combined with high wash activity
- Excellent corrosion protection
- Excellent foam behavior
- Extended sump life
- Most advanced formulation without chlorine based additives



| Model No.      | Size       | A.C.T. No. | Price \$ |
|----------------|------------|------------|----------|
| 40.870.23 PAIL | 20kg Pail  | 219464     | 131.99   |
| 40.870.23 DRUM | 190kg Drum | 219465     | 1,203.24 |

## UNIMET AS260

- Low consumption combined with high wash activity
- Robust biostability
- Excellent corrosion protection
- Excellent foam behavior
- Extended sump life
- Excellent machining performance with ferrous and yellow metals
- Most advanced formulation without chlorine, sulphur or phosphorus based additives



| Model No.      | Size       | A.C.T. No. | Price \$ |
|----------------|------------|------------|----------|
| 42.241.13 PAIL | 20kg Pail  | 219466     | 115.22   |
| 42.241.13 DRUM | 200kg Drum | 219467     | 1,086.17 |

## Cleaner EC

- Alkaline Cleaner
- Easy handling; low foaming
- Good corrosion protection due to special inhibitors
- Compatible with emulsions and solutions, with no negative influence on the coolant
- Free of phosphate and bio-degradable



| Model No.    | Size                 | A.C.T. No. | Price \$ |
|--------------|----------------------|------------|----------|
| 42.318.00.BO | 1 Litre Spray Bottle | 262959     | 9.09     |
| 42.318.00.JU | 5 Litre Jug          | 264472     | 30.00    |

## HYTAP Tapping Fluid

- High lubrication effectively prevents tool wear
- High viscosity simplifies the manual application to tool or work piece
- Self-emulsifying, easy to clean parts with aqueous media; no coolant contamination



| Model No.   | Size      | A.C.T. No. | Price \$ |
|-------------|-----------|------------|----------|
| 42.710.19-1 | 1/2 litre | 219470     | 10.44    |
| 42.710.19-2 | Litre     | 219471     | 16.22    |
| 42.710.19-3 | 4 lit Jug | 266234     | 53.65    |
| 42.710.19-4 | 18kg Pail | 220232     | 182.53   |

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**A.C.T. EQUIPMENT SALES LTD.**

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**EDMONTON**  
Phone: 780.462.1777  
Toll Free: 1 800.661.5979

## Safety Glasses

All glasses are CSA approved

### Visitors

| Model No. | Frame Colour | Lens Colour | A.C.T. No. | Price \$ |
|-----------|--------------|-------------|------------|----------|
| 90S       | Clear        | Clear       | 236386     | 2.16     |

### Triton

| Model No. | Frame Colour     | Lens Colour | A.C.T. No. | Price \$ |
|-----------|------------------|-------------|------------|----------|
| T12005    | Translucent Grey | Clear       | 231112     | 2.01     |

### Tornado

| Model No. | Frame Colour | Lens Colour | A.C.T. No. | Price \$ |
|-----------|--------------|-------------|------------|----------|
| T57005B   | Black        | Clear       | 175604     | 7.10     |
| T57005BS  | Black        | Smoke       | 166967     | 7.37     |



TRITON



VISITORS



TORNADO

**NORTH**

## Full Face Protection

**NORTH**

### Headgear\*\*

| Model No. | Size                                     | A.C.T. No. | Price \$ |
|-----------|------------------------------------------|------------|----------|
| KHG4001   | Headgear with quick-change system**      | 244889     | 13.49    |
| KHG5001   | Headgear with protected holding system** | 66265      | 11.00    |

\*\*Visor sold separately.



### Visor

| Model No. | Size                                      | A.C.T. No. | Price \$ |
|-----------|-------------------------------------------|------------|----------|
| A8154     | Visor - 8"x15.1/2" Formed Polycarbonate   | 230183     | 7.96     |
| A8150/40  | Visor - 8"x15.1/2" Flat PET-G Copolyester | 229882     | 2.51     |

## Ear Plugs

**NORTH**



MODEL No.: 280005  
A.C.T. No.: 65122  
PRICE \$: 21.21/BOX

**HOT PRICE!**

## OptiSorb Absorbent

OptiSorb Premium Oil Absorbent is made of 100% Diatomaceous Earth (DE) and is an all-purpose absorbent designed for the quick clean up of water, oil and grease. Made from Diatomaceous Earth, a naturally occurring mineral with superior absorptive ability, this high quality product delivers 50% more absorbency per pound than clay alternatives.

### Benefits:

- Provides more absorption for the money
- Environmentally friendly
- Easy to use and transport
- 100% Natural mineral
- Granulation-Coarse



#### OIL SPILLS

Pour over oil spills on concrete driveways and garage floors. Sweep up with broom.



#### INDUSTRIAL CHEMICALS

Excellent multi-purpose absorbent for a wide variety of industries.



#### CONTROLLING ODOR

Cover bottom of garbage can to absorb moisture.



#### GARAGES

Use OptiSorb® for spills on garage floors.



#### MRO APPLICATION

Excellent multi-purpose absorbent for a wide variety of industries.



#### CAT LITTER

Excellent for use as cat litter.



**IN STOCK!**

| A.C.T. No. | Quantity      | Price     |
|------------|---------------|-----------|
| 26769      | 1 to 14 bags  | 11.40 ea. |
|            | 15 to 39 bags | 10.04 ea. |
|            | 40+           | 9.50 ea.  |

**F.O.B. A.C.T. Burnaby**

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Toll Free: 1 800.685.8155

### SASKATOON

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**FALL-WINTER 2013-2014 55**  
**A.C.T. EQUIPMENT SALES LTD.**

## Touch 'n Tuff Nitrile Gloves

- Made of 100% thin-mil nitrile
- Lightweight and comfortable to wear



Packaged 100 gloves per box.

| Type   | A.C.T. No. |        |        |        | Price \$/Box |
|--------|------------|--------|--------|--------|--------------|
|        | S          | M      | L      | XL     |              |
| 92-600 | 244120     | 244117 | 244118 | 244119 | 14.21        |

## Grease Monkey Gloves

- 5 mil powder free nitrile is exceptionally durable with superior abrasion and puncture resistance, works well in oil slick applications.
- Extended 9.5" rolled cuff
- CFIA Approved



Packaged 100 gloves per box.

| Style # | A.C.T. No. |        |        |            | Price \$/Box |
|---------|------------|--------|--------|------------|--------------|
|         | M          | L      | XL     | XXL        |              |
| 5554PF  | 263346     | 256431 | 256432 | 5554PF-XXL | 10.36        |

## Flextime Gloves

- Smooth full-grain goatskin leather palm is hard wearing and durable providing great dexterity
- Spandex stretch back is flexible and provides form-fitting memory
- Leather hooded fingertips and reinforced thumb for additional padding and protection
- Snug-fitting elastic wrist and secure Velcro® closure keeps out dirt and debris



| Style # | A.C.T. No. |        |        |        |         | Price \$/pr |
|---------|------------|--------|--------|--------|---------|-------------|
|         | S          | M      | L      | XL     | XXL     |             |
| 005     | 005-S      | 250445 | 249707 | 247999 | 005-XXL | 8.93        |

## Nitrile Gloves - Powder Free

- Highly puncture resistant
- Excellent sensitivity, dexterity and extreme comfort
- Protects against wide range of chemicals



Packaged 100 gloves per box.

| Type        | A.C.T. No. |        |        |        | Price \$/Box |
|-------------|------------|--------|--------|--------|--------------|
|             | S          | M      | L      | XL     |              |
| Powder Free | 206982     | 206983 | 206984 | 206985 | 8.57         |

## Red Hots Gloves

- Seamless poly/cotton knit shell with heavy napped thermal interior keeps hands warm in cold conditions
- Resilient natural rubber coated palm has exceptional resistance to punctures and abrasions, *sure-grip* crinkle finish provides excellent wet/dry grip
- Ergonomically formed to reduce hand fatigue
- Snug-fitting knit wrist keeps out dirt and debris



| Style # | A.C.T. No. |        |        |        | Price \$/pr |
|---------|------------|--------|--------|--------|-------------|
|         | S          | M      | L      | XL     |             |
| 320i    | 271460     | 271457 | 271458 | 271459 | 2.50        |

## Blue Steel Gloves

- Lightweight cotton fleece lining keeps hands warm in cold conditions and offers additional protection in heat related applications
- Durable split-grain cowhide leather with seamless back for a comfortable wear
- Classic gunn cut design has seams set away from the working area for comfort and wing thumb for flexibility
- Welded seams offer additional reinforcement and protection against sparks
- Gauntlet style cuff provides additional wrist and forearm protection



| Style # | A.C.T. No. | Price \$/pr |
|---------|------------|-------------|
| 2759    | 249146     | 5.00        |

## Ear Plugs

- Soft, hypo-allergenic polyurethane foam offers maximum wearer comfort
- Smooth, dirt-resistant surface
- Tapered design fits most ear canals



**3M**

| Model No. | Packaging  | A.C.T. No. | Price \$/Box |
|-----------|------------|------------|--------------|
| 1100      | 200pcs/box | 92901      | 21.81        |

## Disposable Protective Coveralls

The 3M™ Protective Coverall 4520 is disposable safety work wear made of lightweight, breathable polypropylene. It helps provide basic barrier protection against light liquid splashes and hazardous dusts.

### Features and Benefits

- Made with a breathable material that helps reduce heat build-up and promote comfortable wear.
- Three panel hood design helps provide a more comfortable fit and a sleek, low-profile style.
- Elastic waist, ankles, and wrists for convenience and freedom of movement.
- Anti-static coating on both sides helps reduce static build-up and prevents the risk of static discharge during use.



**3M**

| Type     | Packaging | M      | L      | XL      | XXL      | Price \$/Box |
|----------|-----------|--------|--------|---------|----------|--------------|
| 4520-BLK | 25/box    | 4520-M | 4520-L | 4520-XL | 4520-XXL | 113.69       |

Also Available in 3XL & 4XL

## Particulate Mask - 8210 Series

The 8210 is designed to help provide quality, reliable worker protection against certain non-oil based particles. Its lightweight construction promotes greater worker acceptance and comfort and increased wear time.



**3M**

| Model No. | Packaging | A.C.T. No. | Price \$/Box |
|-----------|-----------|------------|--------------|
| 8210      | 20/box    | 131780     | 16.72        |

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## E-A-R™ Pistonz™ Uncorded Earplugs

3M™ E-A-R™ Pistonz™ uncorded, push-to-fit earplugs are stylish hearing protection that feature soft foam tips with a metallic look and a convenient thumb-grip stem. No-roll foam makes fitting easy; simply push the earplug into the ear canal and twist to adjust the fit.



**3M**

| Model No. | Packaging  | A.C.T. No. | Price \$/Box |
|-----------|------------|------------|--------------|
| P1400     | 400pcs/box | P1400*     | 59.45        |

## Safety Glasses with Foam Gasket

Comfortable, lightweight frame features the Cord Control System (CCS) with optional foam gasket attachment. Meets the requirements of CSA Z94.3-07 and is Impact Rated to ANSI Z87.1-2010.



**3M**

| Model No. | A.C.T. No. | Price \$/ea. |
|-----------|------------|--------------|
| 11872     | 11872*     | 7.07         |

## Aura™ Particulate Respirator

The Aura™ Particulate Respirator 9211+, N95 is a breakthrough in comfort and convenience. This three-panel disposable flat-fold respirator features soft inner material and 3M™ Cool Flow™ Valve to help provide comfortable, reliable worker respiratory protection. Ideally suited for hot/dusty work settings that require long periods of wear.



**3M**

| Model No. | Packaging | A.C.T. No. | Price \$/Box |
|-----------|-----------|------------|--------------|
| 9211+     | 10/box    | 9211+*     | 22.93        |

## Particulate Mask - 9210 Series

This three-panel respirator with innovative design is uniquely designed to help provide comfortable, reliable worker protection against non-oil based aerosols.



**3M**

| Model No. | Packaging | A.C.T. No. | Price \$/Box |
|-----------|-----------|------------|--------------|
| 9210      | 20/box    | 172981     | 22.93        |

\*Manufacturer Part Number Listed.

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**A.C.T. EQUIPMENT SALES LTD.**

# CLEARANCE ZONE!

All Prices Listed Are Valid While Quantities Last! (Subject to prior sale)

## Spring Balancer

**ENDO**  
ENDO KOGYO CO., LTD.

- Worm gear spring tension adjustment
- Drum lock device for easy spring replacemer
- Wire rope replacement without dismantling
- Spring tension indicator gauge
- Demo unit



**SAVE OVER  
25%**

| Model No. | Rated Capacity | Standard Lift | QTY | A.C.T. No. | Price \$/ea. |
|-----------|----------------|---------------|-----|------------|--------------|
| ELB-15    | 9.0 - 15.0 kg  | 2.5m          | 1   | 90876      | 650.00       |

## Chain Hoists - Heavy Duty

- Light weight steel construction
- Steel housing, sheaves and frame
- Equipped with anchor plate to avoid over lifting/lowering
- Meets OSHA and ANSI B30.16 standards



**JET**

| Model No. | Size  | Capacity  | Std. Lift | QTY | A.C.T. No. | Price \$/ea. |
|-----------|-------|-----------|-----------|-----|------------|--------------|
| 101232    | 2 ton | 4,400 lbs | 10'       | 2   | 194049     | 450.00       |

## Ratchet Lever Hoists



**HUGE  
SAVINGS!**

**Yale**  
HOISTS

| Model No. | Lifting Capacity | Standard Lift | QTY | A.C.T. No. | Price \$/ea. |
|-----------|------------------|---------------|-----|------------|--------------|
| LH1/2     | 1/2 Ton          | 8 ft.         | 1   | 87632      | 350.00       |
| PM3/4     | 3/4 Ton          | 5 ft.         | 1   | 87626      | 250.00       |
| PSA3/4    | 3/4 Ton          | 5 ft.         | 1   | 201191     | 350.00       |
| LH1       | 1 Ton            | 8 ft.         | 1   | 87633      | 450.00       |

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**A.C.T. EQUIPMENT SALES LTD.**

## Mini-Mate Lever Pullers

**JET**

- Light weight industrial puller
- Electrostatic powder paint to protect from rust and corrosion
- Extra strong handle
- Meets ANSI B30.21 specs



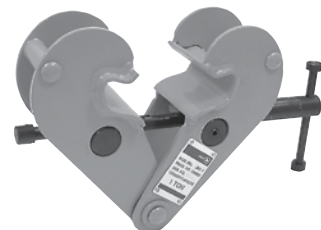
**HUGE  
SAVINGS!**

| Model No. | Rated Capacity | Standard Lift | Handle Length | QTY | A.C.T. No. | Price \$/ea. |
|-----------|----------------|---------------|---------------|-----|------------|--------------|
| 110502    | 3/4 ton        | 5'            | 10.7/8"       | 2   | 62930      | 250.00       |

## Beam Clamps

**JET**

- Jaw design reduces flange stress by distributing load away from flange
- Threaded handle allows for ease of installation and portability
- Meets ANSI B30.11 specs



| Model No. | Capacity  | Flange Width | Weight | QTY | A.C.T. No. | Price \$/ea. |
|-----------|-----------|--------------|--------|-----|------------|--------------|
| 120603    | 2,000 lbs | 2.95"-9.05"  | 11 lbs | 1   | 194050     | 80.00        |

## Trolleys & Accessories

**HUGE  
SAVINGS!**



| Model No. | Description       | Lifting Capacity | QTY | A.C.T. No. | Price \$/ea. |
|-----------|-------------------|------------------|-----|------------|--------------|
| 647797000 | Plain Trolley Kit | 3 Ton            | 3   | 87655      | 170.00       |
| FLG1      | Geared Trolley    | 1 Ton            | 1   | 100143     | 350.00       |
| FWC5      | Plain Trolley     | 5 Ton            | 1   | 90947      | 350.00       |

**Note: Some Items Might Not Be Exactly As Shown**

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## Dead Blow Hammers



| Model No. | Description | QTY | A.C.T. No. | Price \$/ea. |
|-----------|-------------|-----|------------|--------------|
| DBH-050   | 9 OZ        | 16  | 116100     | 10.20        |
| DBH-100   | 16 OZ       | 18  | 116101     | 12.60        |

## IDC Digimatic Indicators Series 543

**SAVE OVER 30%**



**Mitutoyo**



| Model No. | Style     | Range               | LCD Resolution       | QTY | A.C.T. No. | Price \$/ea. |
|-----------|-----------|---------------------|----------------------|-----|------------|--------------|
| 543-259B  | Flat Back | 0-.5"<br>(0-12.7mm) | .00005"<br>(0.001mm) | 1   | 210553     | 398.20       |
| 543-267B  | Flat Back | 0-.5"<br>(0-12.7mm) | .0001"<br>(0.001mm)  | 2   | 198451     | 387.84       |
| 543-271B  | Flat Back | 0-.5"<br>(0-12.7mm) | .0005"<br>(0.01mm)   | 1   | 194341     | 247.27       |

## Pocket Test Indicator Set

Jeweled bearings assure higher sensitivity and accuracy. Complete set including accessories and carrying case.

**Mitutoyo**

**SAVE OVER 30%**



| Model No. | Grad. | Range | Dial Reading | Accuracy | QTY | A.C.T. No. | Price \$/ea. |
|-----------|-------|-------|--------------|----------|-----|------------|--------------|
| 513-518T  | .001" | .04"  | 0-20-0       | ±.0002"  | 4   | 150400     | 121.24       |

## Digimatic Holtest

- Large LCD readout.
- With Ratchet Stop for constant force.
- Includes extension rod

| Model No. | Range                       | Individual Range               | Setting Rings         | QTY | A.C.T. No. | Price \$ |
|-----------|-----------------------------|--------------------------------|-----------------------|-----|------------|----------|
| 468-956†  | .275 - .5" / 6.925 - 12.7mm | .275-.35", .35-.425", .425-.5" | .35" Dia., .425" Dia. | 3   | 196710     | 1,418.42 |

†Carbide contact points ‡TiN coated contact points

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**CLEARANCE ZONE!**

All Prices Listed Are Valid While Quantities Last! (Subject to prior sale)

## Dial Indicators - Series 2

Group 2 Dial Indicators feature Inch - ANSI Standard stem (3/8") with lug back. Regular dial Indicator shown.

**Mitutoyo** **SAVE OVER 30%**



| Model No. | Range | Range/Rev | Dial Reading | QTY | A.C.T. No. | Price \$/ea. |
|-----------|-------|-----------|--------------|-----|------------|--------------|
| 2416F-60  | 1.0"  | -         | .001"        | 1   | 105153     | 103.33       |

## Back Plunger with Perpendicular Mounting Stem - Series 1

**Mitutoyo**

**SAVE 27%**



| Model No. | Grad. | Range | Dial Reading | Accuracy | QTY | A.C.T. No. | Price \$/ea. |
|-----------|-------|-------|--------------|----------|-----|------------|--------------|
| 950-156   | .001" | .1"   | 0-100        | ±.001"   | 1   | 72729      | 179.78       |

## Dial Indicators - Series 1

Series 1 Dial Indicators feature Metric face, ANSI Standard stem (3/8") with lug back.

**Mitutoyo**



| Model No. | Range | Grad.  | Dial Reading | QTY | A.C.T. No. | Price \$ |
|-----------|-------|--------|--------------|-----|------------|----------|
| 1011F-11  | .05mm | .002mm | 0-10-0       | 6   | 36305      | 117.60   |

\*Jeweled Bearings

**SAVE OVER 30%**

**Mitutoyo**

**SPC**



**FALL-WINTER 2013-2014 59**  
**A.C.T. EQUIPMENT SALES LTD.**

# CLEARANCE ZONE!

All Prices Listed Are Valid While Quantities Last! (Subject to prior sale)

## Heavy Duty Twin Hammer 1/2" Impact Kit

### Kit includes:

- 1 - W501B 1/2" Impact wrench
- 10 - Sockets 7/16"-1"
- 1 - In-line oiler
- 1 - Extension



**WESPRO**  
POWER TOOLS

| Model No. | Rated Capacity | QTY | A.C.T. No. | Price \$/ea. |
|-----------|----------------|-----|------------|--------------|
| W501BK    | 500 FT LBS     | 4   | 145220     | 115.00       |

## 1/2" Impact with 2" Extended Anvil

**WESPRO**  
POWER TOOLS

### Kit includes:

- 1 - W501B-2K 1/2" Impact wrench
- 10 - Sockets 7/16"-1"
- 1 - In-line oiler
- 1 - Extension



| Model No. | Rated Capacity | Description                  | QTY | A.C.T. No. | Price \$/ea. |
|-----------|----------------|------------------------------|-----|------------|--------------|
| W501B-2   | 550 FT LBS     | 2" Extended Anvil Impact     | 6   | 70157      | 105.00       |
| W501B-2K  | 550 FT LBS     | 2" Extended Anvil Impact Kit | 1   | 162464     | 125.00       |

## Hand Riveters & Kits



HR-1



LR-2

**SAVE  
40%**

**WESPRO**  
POWER TOOLS



HR-6SPK

### Hand Riveters

| Model No. | QTY | A.C.T. No. | Price \$/ea. |
|-----------|-----|------------|--------------|
| HR-1K     | 2   | 166868     | 36.60        |
| HR-1      | 5   | 166867     | 27.60        |
| HR-7      | 28  | 166878     | 51.60        |
| LR-2      | 1   | 166882     | 86.40        |

## Orbital Sanders - Air

**WESPRO**  
POWER TOOLS

- Aluminum body with comfort grip
- Built-in air regulator
- Supplied with PSA backing pad
- Orbit Dia. 3/16" (5mm)
- Compact & lightweight design



| Model No. | Size | RPM    | Weight   | QTY | A.C.T. No. | Price \$/ea. |
|-----------|------|--------|----------|-----|------------|--------------|
| SO5PX     | 5"   | 10,000 | 1.78 lbs | 1   | 144388     | 127.50       |

## Belt Sander

**WESPRO**  
POWER TOOLS



| Model No. | Belt Size       | QTY | A.C.T. No. | Price \$/ea. |
|-----------|-----------------|-----|------------|--------------|
| MB500E    | 1/2" x 24" Belt | 4   | 136128     | 150.00       |

## Die Grinder

**WESPRO**  
POWER TOOLS



| Model No. | RPM        | QTY | A.C.T. No. | Price \$/ea. |
|-----------|------------|-----|------------|--------------|
| DG22FL    | 22,000 RPM | 5   | 139720     | 51.52        |

**60 FALL-WINTER 2013-2014**  
**A.C.T. EQUIPMENT SALES LTD.**

**ONLINE**  
www.actequipment.com

**BURNABY**  
Phone: 604.294.6271  
Toll Free: 1 800.667.1504

**EDMONTON**  
Phone: 780.462.1777  
Toll Free: 1 800.661.5979

## FRL Units



**WESPRO**  
POWER TOOLS

| Model No.   | Description                         | QTY | A.C.T. No. | Price \$/ea. |
|-------------|-------------------------------------|-----|------------|--------------|
| MAFR400-10A | 3/8 NPT Filter Regulator W/O Gage   | 21  | 119232     | 42.50        |
| BN-25TO-10A | 3/8 NPT Filter Regulator Lubricator | 8   | 89485      | 43.20        |

## Blow Gun

**WESPRO**  
POWER TOOLS

**SAVE  
30%**



| Model No. | Extendible Nozzle | QTY | A.C.T. No. | Price \$/ea. |
|-----------|-------------------|-----|------------|--------------|
| BG250711B | 7" to 11"         | 38  | 130888     | 22.40        |

## Angle Die Grinder

**WESPRO**  
POWER TOOLS

- Built-in air regulator for positive speed control
- Flush grease fitting in gear head
- High quality steel motor cylinder
- Light-weight and compact design



**All grinders supplied with 1/4" collet**

| Model No. | Horse Power | Free Speed | Length  | Weight | A.C.T. No. | Price \$ |
|-----------|-------------|------------|---------|--------|------------|----------|
| DGA2000   | 0.45 H.P.   | 20,000     | 6.3/16" | 1 lbs  | 263539     | 56.51    |

### TERMS

Our credit terms are Net 30 days for those customers who have an open account. To assist those customers who have no account established thus far, we accept VISA, MASTERCARD and INTERAC Direct Payment. Application for credit is available upon request.

### PRICES

Prices are subject to change without notice. Some prices subject to stock availability. All taxes (GST & PST) will be extra where applicable. Items may not be exactly as shown.

### DELIVERY

Prices are F.O.B. your nearest A.C.T. warehouse unless otherwise stated.

### SHIPPING

Shipping will be prepaid on all orders that are both over \$250 Net and under 50 lbs in weight. (Excluding hazardous and prohibited goods.) Overnight Air shipping also available to most major centers, please inquire.

### FASTEST SERVICE

To ensure the fastest service, telephone, fax or E-mail your order to the nearest participating A.C.T. Branch.



*Better Always Better*

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Toll Free: 1 877.783.3201

# CLEARANCE ZONE!

All Prices Listed Are Valid While Quantities Last! (Subject to prior sale)

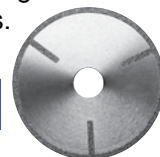
## Various Tool Accessories

**WESPRO**  
POWER TOOLS

For cutting tough, abrasive materials including reinforced plastics, fibreglass, carbon fibre, and asbestos.

### Diamond Cutting Wheel

| Model No. | Description          | QTY | A.C.T. No. | Price \$/ea. |
|-----------|----------------------|-----|------------|--------------|
| 654050    | 6" X 7/8 Bore 40/50G | 36  | 110008     | 96.00        |



### Nut setter



### Insert Bit



### Power Bit



### Double Ended Bit



### Insert & Power Bits

| Model No. | Description                   | QTY  | A.C.T. No. | Price \$/ea. |
|-----------|-------------------------------|------|------------|--------------|
| VS4415M   | Nut Setter 1/4 Hex - Magnetic | 473  | 102803     | 1.69         |
| PD-2100GT | Bit Phillips #2 Double End    | 908  | 102798     | 0.90         |
| 1073G     | Bit Power Phillips #3X2.3/4   | 1071 | 81880      | 0.85         |
| PD-375G   | Bit Phillips #3 Double End    | 945  | 144729     | 0.90         |
| PD-2100G  | Bit Phillips #2 Double End    | 538  | 35161      | 0.90         |
| 1002H     | Bit Insert Phillips #2X1      | 1133 | 102808     | 0.25         |
| 1061H     | Bit Power Phillips #1X2       | 100  | 103067     | 0.49         |

### Straight



### Taper



### Flat



### Chisels

| Model No. | Description                                | QTY | A.C.T. No. | Price \$/ea. |
|-----------|--------------------------------------------|-----|------------|--------------|
| 805RS     | Chisel Scraper Straight (.401 Round Shank) | 81  | 143125     | 4.50         |
| 812R      | Chisel Taper Punch (.401 Round Shank)      | 11  | 56923      | 5.99         |
| SF300H    | Chisel Flat 12" Hex Shank (Round Collar)   | 181 | 60302      | 14.00        |

### B52



### B132



### A1



### Mounted Points

| Model No. | Description              | QTY  | A.C.T. No. | Price \$/ea. |
|-----------|--------------------------|------|------------|--------------|
| B52       | Mounted Point 1/8" Shank | 1076 | 145942     | 0.39         |
| B132      | Mounted Point 1/4" Shank | 71   | 148291     | 0.49         |
| A1        | Mounted Point 1/4" Shank | 33   | 147518     | 1.00         |

**Note: Some Items Might Not Be Exactly As Shown**

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**A.C.T. EQUIPMENT SALES LTD.**

A.C.T. Inventory Management Systems proudly presents...

# THE NEW AIMS LINE-UP OF C

**T**hink of the amount of hours, work, and revenue that your shop may be losing due to poorly managed inventory. "Lost" stock can be hidden in pockets or work stations, leading to unnecessary machine down-time on the floor. Ultimately, buyers end up spending 80% of their time managing 20% of your shop's assets.

**E**nter AIMS: A.C.T. Inventory Management Systems. From the powerful inventory management software provided through eMi and vMi, to the comprehensive inventory management systems of the ToolCrib or Matrix series machines, AIMS is here to help you cut costs and minimize shop downtime with our unrivalled selection and support.



- Automatically calculates order quantity & price
- Can accommodate any internal part numbers and GL codes
- Customer managed & controlled inventory
- Eliminates spending 80% of buyer's time managing 20% of your assets
- Monthly summarized billing
- Purchase history analysis
- Next day delivery
- Same day/emergency service

- A.C.T. managed inventory
- Customer controlled inventory
- Organized & bar coded inventory
- Scanner based inventory procurement
- Eliminates spending 80% of buyer's time managing 20% of your assets
- One purchase order per month
- Monthly summarized billing
- Purchase history analysis
- Next day delivery
- Same day/emergency service

- Secure and economical inventory management solution
- Provides full reporting, traceability and automated reordering capabilities
- Can be used with existing computer and tool cabinet
- Or can be supplied as a complete turn-key solution
- Available in a wide range of cabinet sizes and drawer depths
- Easily expanded using add-on units
- Can be integrated with other ToolBox, RotoCrib & ToolCrib units

# COST CUTTING SOLUTIONS



- Highly secured inventory management solution
- Manages up to 468 part numbers per unit
- Provides in-depth reporting, complete traceability and automated reordering capabilities
- Manages expendable, re-workable and durable items with ease
- Small foot print
- Add-on locker unit for dispensing larger items
- Manages secondary storage – secured or unsecured
- Can be integrated with other RotoCrib, ToolBox, & ToolCrib units

- Highly secured inventory management solution
- Manages up to 104 part numbers per unit
- Provides in-depth reporting, complete traceability and automated reordering capabilities
- Manages expendable, re-workable and durable items with ease
- Small foot print
- Add-on locker unit for dispensing larger items
- Manages secondary storage – secured or unsecured
- Can be integrated with other ToolCrib, ToolBox & RotoCrib units

- **NEW!** Two sizes, Mini and Maxi with greater flexibility & capacity
- **NEW!** 12 sizes of secured bins for maximum & precise control
- **NEW!** Even more powerful software allows you to be more efficient on your shop floor
- Highly secured and extremely flexible inventory management solution
- Provides in-depth reporting, complete traceability and automated reordering capabilities
- Manages gages, serialized, expendable, re-workable and durable items with ease



Welcome to the...

**TOOLCRIB**



- 1 Z Drawer** – Single level high. Ideal for small items, like Carbide Inserts. Up to 12 compartments measuring 1" x 1" x 2.5".
- 2 A Drawer** – Single level high. Ideal for medium-length end mills under 1" dia. Up to 12 compartments measuring 1" x 1" x 3.8".
- 3 C Drawer** – Single level high. Will accommodate longer tools, such as drills and extended length end mills under 1" dia. Up to 12 compartments measuring 1" x 1" x 6.5".
- 4 AA Drawer** – Single level high. Will accommodate one longer (up to 9.8") and one reduced length tool (up to 3.8") in up to 12 compartments.
- 5 Twin Module** – 1.5 levels high and up to 12 compartments deep. Offered in a wide array of drawer sizes to accommodate items under 1.5" diameter.
- 6 T4 Cupboard** – Single cupboard, 4 levels high. Ideal for larger, bulkier items, like safety supplies.
- 7 B Drawer** – 2 levels high and up to 12 compartments deep. Ideal for larger diameter (under 2"), shorter items.
- 8 BB Drawer** – 2 levels high. Can accommodate one longer, one shorter item such as safety glasses and gloves.
- 9 D Drawer** – 2 levels high. Typically used for a bulky item such as safety glasses.
- 10 T6 Cupboard** – Single cupboard, 6 levels high. Ideal for bulk items.
- 11 F Drawer** – 2 levels high. Will accommodate larger diameter, longer tools.
- 12 G Drawer** – 3 levels high. Ideal for dispensing larger items such as hand or pneumatic tools.
- 13 J Drawer** – 4 levels high. Ideal for abrasive wheels and larger items or bulk dispensing.
- 14 TOOLCRIB Lockers** – 3 Frame locker unit with 3 sizes of lockers available. All controlled by the Master TOOLCRIB unit. Ideal for extra large items like air tools.
- 15 TOOLBOX** – Lista cabinet custom tailored to suit your lower-cost inventory like drill bits, abrasives, safety products and much more. Fully secured at drawer level and only accessible when dispensing items using the Master TOOLCRIB touch screen.

**Contact Your Nearest A.C.T. Branch For Details**

## A.C.T. EQUIPMENT SALES LTD.

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