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## ATP/Bosch

### ATP

#### INDUSTRIAL IMPACT TOOLS:



#### Features of ATP Professional Tools

Alloy steel hammer cases machined from solid bar not drawn or cast. Model number stamped in motor housing under the name plate for permanent identification. High power to weight ratio. 100% parts interchangeability to the equivalent tool. Your replacement parts inventory will work for any tool you purchase. 100% American Made.

#### Twin Hammer Series

- Steel clutch housing
- 3 piece housing construction for ease of maintenance
- Pressure feed lubrication for impact mechanism
- Built in oil lubricator for air motor
- Available in #5 spline or square drive
- Adjustable power regulator for forward and reverse power control
- Ergonomic handle
- Exhaust with sound reducing muffler

PT = Pistol Grip/Trigger      TH = Through Hole  
EI = End Grip/Inside Trigger      5S = 5 Spline  
EO = End Grip/Outside Trigger      RR = Ring Retainer  
LT = Lever Throttle      1H = 1" Sq. Through Hole

#### Example:

ATP 7560 PT-RR – is a 3/4 Inch Drive Pistol Grip With A Ring Retainer

Model No.	Torque Working	Range Max. Ft.-Lb.	Impact Handle Type	Data Shank	Retainer	Length (in)	Wt. (lb)	Hose Size (in)	Equivalent To:
<b>3/4" CAPACITY</b>									
ATP 7560 PT-TH	560	1000	Pistol Grip	3/4" Sq.	Through Hole	7.60	11.6	1/2	CP6060 SASAB
ATP 7560 PT-RR	560	1000	Pistol Grip	3/4" Sq.	Ring Retainer	7.60	11.6	1/2	CP6060 SASAR
ATP 7560 PT-1H	575	1025	Pistol Grip	1" Sq.	Through Hole	7.60	11.7	1/2	CP6060 SASAK
ATP 7520 PT-TH	800	1100	Pistol Grip	3/4" Sq.	Through Hole	12.50	12.0	1/2	IR2920P1
ATP 7520 PT-1H	800	1100	Pistol Grip	1" Sq.	Through Hole	12.50	12.0	1/2	IR2920P3
ATP 7510 PT-TH	500	850	Pistol Grip	3/4" Sq.	Through Hole	7.65	8.5	1/2	IR2910P1
ATP 7510 PT-1H	500	850	Pistol Grip	1" Sq.	Through Hole	7.65	8.5	1/2	IR2910P3
<b>1" CAPACITY</b>									
ATP 1040 EI-TH	1600	2000	End Grip I-T	1" Sq.	Through Hole	12.40	22.0	3/4	IR2940B2
ATP 1040 EI-5S	1600	2000	End Grip I-T	#5 Spline	Button	12.40	22.0	3/4	IR2940B1
ATP 1040 EO-TH	1600	2000	End Grip O-T	1" Sq.	Through Hole	12.40	22.0	3/4	IR2940A2
ATP 1040 EO-5S	1600	2800	End Grip O-T	#5 Spline	Button	12.40	22.0	3/4	IR2940A1
ATP 1011 EI-TH	1800	2800	End Grip I-T	1" Sq.	Through Hole	12.50	22.5	3/4	CP0611PASED
ATP 1011 EI-5S	1800	2800	End Grip I-T	#5 Spline	Button	12.50	22.5	3/4	CP0611PASEL
ATP 1011 EO-TH	1800	2800	End Grip O-T	1" Sq.	Through Hole	12.50	22.5	3/4	CP0611GASED
ATP 1011 EO-5S	1800	2800	End Grip O-T	#5 Spline	Button	12.50	22.5	3/4	CP0611GASEL
ATP 1012 EI-TH	1000	1350	End Grip I-T	1" Sq.	Through Hole	11.25	19.0	3/4	IR1712B1
ATP 1012 EO-TH	1000	1350	End Grip O-T	1" Sq.	Through Hole	11.25	19.0	3/4	IR1712A2
ATP 1044 EO-5S	1000	1350	End Grip O-T	#5 Spline	Button	11.25	19.0	3/4	IR1734A1
ATP 1034 EI-TH	1100	1500	End Grip I-T	1" Sq.	Through Hole	11.25	19.0	3/4	IR2934B2
ATP 1034 EI-5S	1100	1500	End Grip I-T	#5 Spline	Button	11.25	19.0	3/4	IR2934B1
ATP 1034 EO-TH	1100	1500	End Grip O-T	1" Sq.	Through Hole	11.25	19.0	3/4	IR2934A2
ATP 1034 EO-5S	1100	1500	End Grip O-T	#5 Spline	Button	11.25	19.0	3/4	IR2934A1

### BOSCH

#### Cordless Tools:

#### 36V 1" SDS-plus® Rotary Hammer

11536VSR

- 1" solid bit capacity/2.5" core bit capacity
- Three-mode selector— Rotary hammer, rotation-only and hammer-only mode
- SDS plus® bit system
- Variable-speed reversing trigger— for accurate bit starting as well as removing fasteners or bound bits
- Vario-Lock™ positioning— Rotates and locks chisel into 36 different positions



Cat. No.	Rating (Volt DC)	No Load (rpm)	No Load (bpm)	Impact Energy (ft. lbs)	Length (in)	Tool Wt. (lbs)
11536VSR	36	0-960	0-4,260	2.2	15	9.6

#### ELECTRIC TOOLS:

#### 3/8" Corded Drill

1006VSR

- One-handed keyless Chuck— for quick, easy and secure accessory changes
- Excellent power-to-weight ratio— maximum power at a minimum weight
- Ergonomic handle with soft grip— for increased comfort
- Two-finger trigger with Lock-on— for ease of operation



Cat. No.	Rating (Volt AC)	Amps	No Load (rpm)	Length (in)	Tool Wt. (lbs)
1006VSR	120V	6.3	0-2,600	10.1	3.4

**Power Tools**

**Bosch**

**High Torque Heavy Duty 3/8" Drill/Driver**

1011VSR, 1012VSR

- Motor delivers 525 watts of power; 279 inch lbs. of torque
- Model 1011VSR features a heavy-duty chuck with ground and hardened jaws
- Model 1012VSR features a single-sleeve keyless auto-lock chuck for one-hand operation
- Metal housing for durability
- All ball and roller bearing for smooth delivery of power
- Soft grip handle and 2-finger trigger for comfort
- 3-prong grounded plug
- Capacities:

Wood: Paddle Bit = 1-1/2", Self-feed bit = 1", Hole saw = 2-1/2", Auger bit = 1"

Steel: Twist bit - 3/8", Hole saw = 1-1/2"

**Std. Equipment for 1011VSR:** 360° Auxiliary Handle, Chuck Key

**Std. Equipment for 1012VSR:** 360° Auxiliary Handle

**Options:** Metal Case



Cat. No.	Rating (Volt AC)	Amps	No Load (rpm)	Spindle	Length (in)	Tool Wt. (lbs)
1011VSR	120	6.5	0-1100	1/2"-20	9-7/8	4.6
1012VSR	120	6.5	0-1100	1/2"-20	9-7/8	4.5

**High Speed Heavy Duty 1/2" Drill/Driver**

1013VSR, 1014VSR

- Motor delivers 525 watts of power; 373 inch lbs. of torque
- Model 1013VSR features a heavy-duty chuck with ground and hardened jaws
- Model 1014VSR features a single-sleeve keyless auto-lock chuck for one-handed operation
- Metal housing for durability
- All ball and roller bearing for smooth delivery of power
- Soft grip handle and 2-finger trigger for comfort
- 3-prong grounded plug
- Capacities:

Wood: Paddle Bit = 1-1/2", Self-feed bit = 2-1/4", Hole saw = 3-5/8", Auger bit = 3-1/8"

Steel: Twist bit = 1/2", Hole saw = 2"

**Std. Equipment for 1013VSR:** 360° Auxiliary Handle, Chuck Key

**Std. Equipment for 1014VSR:** 360° Auxiliary Handle

**Options:** Metal Case



Cat. No.	Rating (Volt AC)	Amps	No Load (rpm)	Spindle	Length (in)	Tool Wt. (lbs)
1013VSR	120	6.5	0-850	1/2"-20	10-7/8	5.1
1014VSR	120	6.5	0-850	1/2"-20	11	4.8

**Drywall Screwgun**

SG45, SG45M

- Compact & Ergonomic Design — Contoured grip is designed to maximize comfort and minimize fatigue
- Posi-Lok™ Nose Piece Design— Retains depth setting when removed and eliminates time consuming depth readjustments
- One Hand Adjustable and Removeable Nose Piece — Fast and easy adjustments whether working in a variety of materials or tight spaces
- Plastic Gear Housing — Provides lightweight design
- Variable Speed Trigger with Forward-Reverse Lever For increased control
- Lock-On Button — For extended use applications
- Strong Bit Tip Magnet — Maximizes control when driving long screws



Cat. No.	Amps	Rating (Volt AC)	No Load RPM	Torque	Length (in)	Wt. (lbs)
SG45	6.2	120	0-4,500	70	10.9	2.6
SG45M	7.0	120	0-4,500	101	10.9	2.95

**High Torque Screwgun**

SG25M, SG25MT (Designed for driving Hex Head TEK screws)

- Compact & ergonomic design
- Posi-Lok™ nose piece design— Retains depth setting when removed and eliminates time consuming depth readjustments
- One hand adjustable and removeable nose piece — Fast and easy adjustments whether working in a variety of materials or tight spaces
- Metal gear housing — For maximum jobsite durability
- Variable speed trigger with forward-reverse lever For increased control
- Strong bit tip magnet — Maximizes control when driving long screws



Cat. No.	Rating (Volt AC)	Amps	No Load RPM	Torque	Length (in)	Wt. (lbs)
SG25M	120	7.0	0-2,500	179	11.2	3.2
SG25MT	120	7.0	0-2,500	179	11.2	3.2

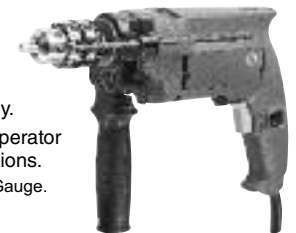
**1/2" Hammer Drills**

1139VSR

- Lock-on button for continuous running.
- Selector lever for hammer drill or drill only.
- Comfortable, contoured grip minimizes operator fatigue and allows multiple gripping positions.

**Std. Equipment:** 360° Auxiliary Handle, Depth Gauge.

**Options:** Metal Case.



Cat. No.	Rating (Volt AC)	AMPS	No Load RPM	No Load BPM	Spindle	Length (in)	Wt. (lbs)
1139VSR	120	7.0	0-2,600	0-41,600	1/2"-20	12	3.7



## Bosch

### Hammer Drill

#### 1191VSRK

- Dual-mode selector — Easily converts from rotation-only to hammer drill mode
- Variable speed reversing switch — Complete control for drilling, driving and removing bits or screws
- All ball and roller bearing construction — Smooth power transmission and extended tool life
- Ergonomic handle — Multiple gripping positions for increased comfort and control
- 360° Side-handle with depth gauge — Wide range of movement for comfort along with consistent drilling depth



Cat. No.	Rating (Volt AC)	Amps	No Load RPM	No Load BPM
1191VSRK	120	7.0	0-3,000	0-16,000 (low) 0-41,600 (high)

### 1" SDS-plus® BULLDOG Xtreme Rotary Hammer

#### 11255VSR

- HammerHook™ allows quick tool storage during the job.
- Multi-function Selector — 3 modes of operation, rotation only, rotary hammer and hammer-only mode
- Vario-Lock™ positioning — rotates and locks chisel into 36 different positions to optimize working angle
- Patented Rotating Brush Plate — Provides equal power in forward and reverse
- Patented Cord Turret — 35° pivot for added flexibility and longer cord life
- SDS-plus® bit system — tool-free bit changes with automatic bit locking, dust protection and maximum impact energy transfer rate
- D-Handle design — Ideal for overhead and downward drilling applications
- Variable-speed Reversing Trigger — For accurate bit starting as well as removing fasteners or bound bits



Cat. No.	Rating (Volt AC)	Amps	No Load RPM	No Load BPM	Impact Energy (ft. lbs)	Lgth. (in)	Wt. (lbs)
11255VSR	120	7.5	0-1,300	0-5,800	2.2	17-1/4	6.7

### Rotary Hammer

#### RH432VCQ

- 360° Auxiliary handle
- Integral clutch
- Multi-function selector
- Variable speed 3 finger trigger
- Active vibration control™ in the (1) hammer mechanism and the (2) grip area provides maximum user comfort for extended periods of work



Cat. No.	Amps	No Load RPM	No Load BPM	Impact Energy (ft. lbs)	Lgth. (in)	Wt. (lbs)
RH432VCQ	8.5	0-900	0-4,000	3.7	15.5	10.3

### 1-1/8" SDS-plus® Rotary Hammer

#### RH228VC

- Best in class impact energy provides increased drilling capacity
- Counter-balance vibration control for improved comfort for all day drilling/chiseling applications
- All new Bulldog extreme max has an increased drilling capacity up to 1-1/8" for the fastest drilling hardest hitting hammer in its class
- Counter-balance vibration control
- Metal gear cover
- HammerHook™ - Allows quick tool storage during the job
- Multi-function Selector — 3 modes of operation, rotation only, rotary hammer and hammer-only mode
- Vario-lock™ - Rotates and locks chisel into 40 different positions to optimize working angle
- Integral clutch - Helps minimize torque reaction
- Patented Cord Turret — 35° pivot for added flexibility and longer cord life
- SDS-plus® Bit System - Tool-free bit changes with automatic bit locking, dust protection and maximum impact energy transfer rate



Cat. No.	Amp	No Load RPM	No Load BPM	Energy (ft. lbs)	Impact Lgth. (in)	Wt. (lbs)
RH228VC	8.0	0-1,230	0-5,460	2.4	17.4	6.9

### 1-3/4" SDS-Max Rotary Hammer

#### 11263EVS

- SDS-max® bit system— tool-free bit changes with automatic bit locking, dust protection and maximum impact energy transfer rate
- 2 modes of operation, rotary hammer and hammer only mode
- Variable speed dial— for accurate bit starting and controlled chipping applications
- Constant Response™ circuitry — provides soft-start, maintains constant speed under load, provides overload protection
- Turbo™ Power Feature— Delivers 20% more power in hammer only mode
- Service Minder™ light— indicates when preventative maintenance is required
- Vario-Lock™ positioning— rotates and locks chisel into 12 different positions to optimize working angle



Std. Equipment: 360° Auxiliary handle, Case

Cat. No.	Rating (Volt AC)	Amp	No Load RPM	No Load BPM	Impact Energy (ft. lbs)		Lgth. (in)	Wt. (lbs)
					Reg.	Turbo		
11263EVS	120	13.5	145-280	1,350-2,800	9.6	11.1	21	17.9

**Power Tools**

**Bosch**

**2" SDS-Max Combination Hammer**

11245EVS

- SDS-max® bit system— tool-free bit changes with automatic bit locking, dust protection and maximum impact energy transfer rate
- 2 modes of operation, rotary hammer and hammer only mode
- Variable-speed dial— for accurate bit starting and controlled chipping applications
- Constant Response™ Circuitry— Provides soft-start, maintains constant speed under load, provides overload protection
- Service Minder™ light— indicates when preventative maintenance is required
- Vario-Lock™ positioning— rotates and locks chisel into 12 different positions to optimize working angle
- 360° Auxiliary handle — provides a wide range of movement along with operator comfort



Cat. No.	Rating (Volts AC)	AMPS	No Load RPM	No Load BPM	Impact Energy (ft. lbs)	Lgth. (in)	Wt. (lbs)
11245EVS	120	14.0	120-250	1,100-2,500	13.3	23-1/2	24.5

**1-5/8" Spline Rotary Hammer**

11265EVS

- Active Vibration Control™ - Vibration reduction in the hammer mechanism and the grip area provides maximum user comfort for extended periods of work
- Constant Response Circuitry- Maintains speed under load and overload protection
- Turbo™ Power — delivers 20% more power in hammer only mode
- Vario-Lock™ Positioning - Rotates and locks chisel into 12 different positions
- Auto-Max™ variable speed Dial - Ensures maximum speed every time the tool is turned on
- Service Minder™ light — indicates when preventative maintenance is required
- Patented cord turret - Reduces cord wear



Model No.	Rating (Volt AC)	No Load RPM	No Load BPM	Impact Energy (ft. lbs)	Length (in)	Wt. (lbs)
11265EVS	120	170-340	1,700-2,900	7.4	18	15.1

**1-9/16" Spline Combination Hammer**

11247

- Spline/round hex bit system — tool-free bit changes, with automatic bit locking
- 2 modes of operation, rotary hammer and hammer only mode
- Vario-Lock™ positioning — rotates and locks chisel into 12 different positions to optimize working angle
- Innovative service modules — designed so a qualified service technician can quickly replace the brushes and cord
- 360° Auxiliary handle — provides a wide range of movement along with operator comfort
- Integral clutch — helps minimize torque reaction
- Grounded design, UL listed, complies to OSHA



Model No.	Rating (Volt AC)	No Load RPM	No Load BPM	Impact Energy (ft. lbs)	Length (in)	Wt. (lbs)
11247	120	400	3,000	5.2	17.25	13.6

**Demolition Hammer**

11316EVS

- Push-to-strike design
- Electro-pneumatic impact system minimizes vibration. Light weight and compact design size provides comfortable, well balanced performance for chipping, chiseling and scaling
- Sealed SDS-Max bit holder protects drive mechanism from debris
- Vario-lock feature allows SDS-Max chisels to be rotated and locked into 12 different positions to optimize work angle
- Padded, shock absorbing handles improve grip
- Front handle rotates 360° and pivots front-to-back for maximum comfort and control
- Service-reminder light indicates need for service 8 hours in advance of automatic, predetermined tool shutdown
- Speed dial allows variable impact rate for optimum performance



Model No.	Rating (Volt AC)	Amps	No Load BPM	Impact Energy (ft. lbs)	Length (in)	Wt. (lbs)
11316EVS	120	13.6	900-1,890	18.4	22.5	22.5

**3/4" Hex Demolition Hammer**

11317EVS

- Variable speed dial for controlled chipping applications
- Constant Response™ Circuitry maintains constant speed under load, provides overload protection
- Service Minder™ light indicates when preventative maintenance is required
- 360° Auxiliary handle provides a wide range of movement
- Double insulated, UL listed, complies to OSHA



Cat. No.	Rating (Volt AC)	AMPS	No Load BPM	Impact Energy (ft. lbs)	Length (in)	Wt. (lbs)
11317EVS	120	12.8	850-1,800	4.0-16.5	22	22

## Bosch

### Premium Hammer Hauler

T1757

- Folding Foot Plate easily folds out of the way for use as a hand truck
- 8" Foam Tires - never flat tires absorb shock over rugged terrain
- Truck Ramp for easy loading in and out of a truck or van
- Accessory Holders securely holds hammer steel in place during transportation
- Quick Release Strap - durable nylon material with quick release for an easy and secure storage solution
- Cord Wrap - convenience for transportation



### Brute™ Breaker Hammer

BH2760VC

- Vibration reduction in the hammer mechanism and the grip area provides maximum user comfort
- New ergonomic shock absorbing handles provide additional user comfort in all day applications
- Rubberized housing cover helps prevent tool from accidental fall over
- ServiceMinder™ brush system shuts the Brute™ off when brush replacement, lubrication or preventative maintenance is needed
- Grease packed gear box and hammer mechanism eliminates uncertainty of job site lubrication
- Does not need a compressor



Cat. No.	Rating (Volt AC/DC)	AMPS	Impact Energy (ft. lbs)	Length (in)	Wt. (lbs)
BH2760VC	120	15.0	49.5	30.75	65

### Abrasive Cutoff Machines

1365, 1365K

- High power-to-weight ratio.
- Wheel rotation carries sparks, dust and debris away from the operator.
- Service-Minder brushes stop tool when preventative maintenance is needed.
- Wraparound side handle mounts left or right side.



**Std. Equipment for 1364 & 1365:** Wrap Around Side Handle, Wheel Guard, Adjustable Footplate, Inside Flange, Outside Flange, 7/8" Arbor Locking Nut, 1" Arbor Locking Nut, 3/8" Allen Wrench, 6 mm Allen Wrench  
**1365K also includes:** Masonry Cutting Wheel, Metal Cutting Wheel and Metal Case  
**Options:** 20 mm Locking Nut, 22 mm Open End Wrench, Metal Case

Cat. No.	Rating (Volt AC)	AMPS	Horse Power	No Load RPM	Wheel Size (in)	Length (in)	Wt. (lbs)
1365 1365K (kit)	120	15.0	4.7	4,300	14	24-1/2	27

### 4-1/2" Angle Grinder

1375A, 1247A

- 2-position tool side handle; angled for comfort.
- Service-Minder brushes take the guesswork out of preventive maintenance.

#### Additional Features of 1375A:

- Slim housing grip for easy handling.
- Reinforced windings protect motor against abrasive grinding dust.
- Quick guard adjustments without tools.

#### Additional Features of 1347A:

- 1 horsepower motor.
- 5/8"-11 spindle for mounting of the most popular accessories.
- Ball bearing motor and output; smooth running, long-life.



Cat. No.	Rating (Volt AC)	AMPS	Horse Power	No Load RPM	Wheel Size (in)	Spindle Thread	Length (in)	Wt. (lbs)
1375A	120	6.0	1.0	11,000	4-1/2	5/8"-11	10-1/2	3.75
1347A	120	6.0	1.0	11,000	4-1/2	5/8"-11	9-3/4	4.6

### 7"/9" Large Angle Sander

1853-6

- Vibration control side and main handles reduce vibration up to 60%
- AC/DC capability extends the versatility of the tool by working from DC outlets such as welders and generators
- Epoxy-coated field windings provide ultimate protection against abrasive dust and metal debris
- Precision spiral bevel gears for smooth power transmission
- Service Minder Brushes eliminate guesswork, stops tool when preventative maintenance is required



Cat. No.	Rating (Volt AC/DC)	AMPS	No Load RPM	Spindle Thread	Lgth. (in)	Wt. (lbs)
1853-6	120	15.0	6,000	5/8"-11	17.5	10.5

### 7" Large Angle Grinder with Rat Tail Handle

1873-6

- Vibration control side and main handles reduce vibration up to 60%
- AC/DC capability
- Service Minder™ brushes eliminate guesswork, stops the tool when preventative maintenance is required
- Spindle Lock for quick wheel changes
- Reinforced armature windings protect the motor against abrasive dust and metal debris
- 3-Position auxiliary handle provides maximum versatility and control
- Double insulated, UL listed, complies to OSHA



Cat. No.	Rating (Volts AC/DC)	AMPS	No Load RPM	Wheel Size (in)	Spindle Thread	Length (in)	Wt. (lbs)
1873-6	120	15	6,000	7	5/8"-11	17.5	11.5

**Power Tools**

**Bosch**

**9" Large Angle Grinder with Rat Tail Handle**

1893-6

- Vibration control side and main handles reduce vibration up to 60%
- Lock-on/off switch for extended use applications
- Service Minder™ brushes eliminate guesswork, stops the tool when preventive maintenance is required
- AC/DC capability
- Precision spiral bevel gears — quality engineering and construction for smooth power transmission
- Epoxy-coated field windings — provides ultimate protection against abrasive dust and metal debris



Cat. No.	Rating (Volts AC/DC)	AMPS	No Load RPM	Spindle Thread	Length (in)	Wt. (lbs)
1893-6	120	15.0	6,000	5/8"-11	17.5	11.9

**14 Gauge Nibbler**

1530

- Burr-free edges - no finishing
- Full swivel die available for cutting in all directions
- Corrugated, trapezoidal or full square stock all cut efficiently with a simple cutter change
- No adjustment required when switching material thickness. Worn cutters are changed in minutes with adjustable wrench
- Small gear head allows cutting in confined areas



Cat. No.	Rating (Volt AC)	AMPS	Min. Cutting Radius (in)	Width of Cut (in)	Hole Size for Inside Cuts (in)	No Load Strokes/Min.	Length (in)	Wt. (lbs)
1530	120	4.6	1-3/16	1/8	5/8	2,400	10-1/4	4.6

**10 Gauge Nibbler**

1533A

- Excellent for cuffing high-alloy steel and stainless steel sheets
- Punch can be resharpened for extended life
- Adjustable punch guide accommodates different gauge sheets for vibration-free cutting
- Ejects chips downward away from operator workpiece
- Reversible side hand with extension for selection of secure and comfortable holding positions
- Flat stock and corrugated stock are cut efficiently w/standard punch & die.
- Small gear head allows cutting in confined area



Cat. No.	Rating (Volt AC)	AMPS	Min. Cutting Radius (in)	Width of Cut (in)	Hole Size for Inside Cuts (in)	No Load Strokes/Min.	Length (in)	Wt. (lbs)
1533A	120	5.0	2-1/2	1/2	1-5/8	1,000	11-1/2	8.1

**16 Gauge Shears**

1521

- Lock-on/off switch — for extended use applications
- Compact design — slim tool housing comfortably fits in the hand
- Reversible side blades — for extended blade life
- Cutting blade changes quickly and without tool — for convenience
- Fast cutting mechanism cuts at 28 feet/minute
- Epoxy coated field windings — provides ultimate protection against metal debris
- Double insulated, UL listed, complies to OSHA
- Sealed switch — Keeps debris out of the switch mechanism and extends switch life



Cat. No.	Rating (Volt AC)	Amps	Min. Radius (in)	No Load Strokes Per Min.	Length (in)	Wt. (lbs)
1500B	120	3.2	7/8	2,500	11-1/4	4.5

**14 Gauge Shears**

1506

- Planetary gear drive – more power per pound
- Upper blade is double-edged. When first edge is worn, simply reverse blade
- "Mushroom" top handle for extra control under heavy cutting loads easily removed for cutting in confined areas
- Lightweight and well balanced for excellent control
- Low vibration for operator comfort
- Visible blade allows precise pattern cutting
- Easy blade adjustment when switching material thickness



Cat. No.	Rating (Volt AC)	Amps	Min. Radius (in)	No Load Strokes Per Min.	Length (in)	Wt. (lbs)
1506	120	4.6	3/4	2,400	10.25	6

**8 Gauge Shears**

1508

- The workhorse of the Bosch shear team. Ideal tool for structural fabrication shops as well as storage tank and rolling stock manufacturers
- Excellent for high alloy steel cutting
- Top handle with large rocker switch. Auxiliary handle mounts on either side for right-or left-handlers
- Low vibration for operator comfort
- Visible blade allows precise pattern cutting



Cat. No.	Rating (Volt AC)	Amps	Min. Radius (in)	No Load Strokes Per Min.	Length (in)	Wt. (lbs)
1508	120	9.2	2	1,250	13.5	15



## Bosch

### 2.3HP Plunge Router

#### MRP23EVS

- Trigger control system— trigger power switch located in handle for enhanced control
- Afterlock microfine depth adjustment— easy & precise adjustments at any plunge setting
- Smooth plunge action, spring-lock plunge lever, and depth rod for easy and precise plunge routing
- Always-On LED lighting— for enhanced visibility in bit area
- Precision centering design— makes it easy to keep bit on outline when using jigs, templates, dovetail fixtures and similar guidance devices
- Two-Stage quick clamp system— for fast tool-free conversion
- Soft-start— reduces start-up torque
- Variable speed dial— for matching speed to workpiece and task
- Constant-Response™ circuitry— maintains constant speed under load, provides overload protection
- Cord swivel— For added mobility
- Contoured soft grip handles— provides enhanced control and comfort



Cat. No.	Rating (Volt AC)	Amps	No Load RPM	Collet Cap. (in)	Wt. (lbs)
MRP23EVS	120	15	10,000-25,000	1/2 & 1/4	10

### 3.25 HP Electronic Plunge Router

#### 1619EVS

- Converts easily for use with router table and back to upright use
- Bosch exclusive system defeats both plunge lock and plunge springs— for effortless depth adjustments in router table
- 3-3/4" base opening and 2" subbase opening — accepts large bits
- Coarse and microfine adjustment knobs plus depth rod and turret— versatile, precise depth adjustment
- Variable speed dial— for matching speed to workpiece and task
- Soft-start— reduces start-up torque
- Constant-Response™ circuitry— maintains constant speed under load, provides overload protection
- Precision centering design— makes it easy to keep bit on intended outline when using jigs, templates, dovetail fixtures and similar guidance devices
- Dual-bearing plunge post— for smooth and accurate plunging action
- Convenient front spindle lock— for fast, easy bit changes



Cat. No.	Rating (Volt AC)	Amps	Max. Horse Power	No Load RPM	Collet Cap. (in)	Max. Lgth. of Plunge (in)	Wt. (lbs)
1619EVS	120	15	3.25	8,000-21,000	1/4, 3/8, 1/2	2-9/16	13.2

### Top Handle Jig Saw

#### 1590EVSL

- Precision control system provides 50% more accuracy than competitor saws
- One-Touch® blade change system— one-handed insertion and lever ejection for fast and easy blade changes.
- Exclusive multi-directional T-shank blade clamp mechanism provides superior grip of T-shank blades; eliminates play and prevents pull-out and breakage.
- Fully counterbalanced mechanism— low-vibration design ensures extremely smooth operation
- Variable speed— dial sets maximum speed and accelerator trigger controls operating speed
- Ambidextrous lock-on button— accessible from either side of the handle
- Ergonomic top handle with soft-grip areas for solid, comfortable grip.
- Constant Response™ circuitry maintains desired speed for consistent performance under load
- Four-position orbital action adjusts blade motion for smooth to aggressive cuts to match workpiece and cutting task
- Dust blower with on/off switch keeps view of cut line free of dust
- Tool-less die-cast aluminum footplate with tension adjustment— fast and easy bevel cutting
- Non-marring plastic footplate overshoe protects delicate surfaces
- Includes the new L-BOXX 2, part of an innovative stackable tool storage system designed to improve tool organization and transportation on the jobsite. L-Boxx: Click, Stack, Go



Model No.	Rating (Volt AC)	Amps	Stroke Lgth. (in)	No Load Strokes/Min	Wt. (lbs)
1590EVSL	120	6.4	1	500-2,800	6

### 7-1/4" Circular Saw

#### CS10

- Cast magnesium footplate— lightweight, flat and durable
- Saw hook— convenient saw storage between cuts
- Optimized sight lines— for unmatched visibility
- Patented bevel louvers direct blower output to clear away dust
- 56° Bevel
- High strength and lightweight magnesium upper guard
- Anti-sag lower guard
- Adjustable bevel and depth levers— for years of consistent locking
- Removable end cap— easy, servicable brushes
- Textured soft grip
- Heavy duty 22 amp switch
- 10' long cord
- Spindle Lock



Cat. No.	Rating (Volt AC/DC)	Amps	Blade Size (in)	Arbor Size (in)	No Load RPM	Wt. (lbs)
CS10	120	15	7-1/4	5/8	5,600	10.2

**Power Tools**

**Bosch**

**10" Dual-Bevel Slide Miter Saw with Upright Controls**

4310

- Upright bevel lock lever and range selector knob— easily-accessed controls for quick and accurate bevel settings
- Crown miter detents— 31.6° miter and 33.9° bevel detents for quick, accurate crown cuts
- Easily readable bevel and miter scales for easy setting of accurate bevel and miter angles
- Electric brake for quick, repetitive cuts. Stops blade in seconds
- Exclusive wedge-and-slot miter detent system— consistent and precise miter angles over the life of the tool
- Large 21" Aluminum base with cast sliding extensions for 37-1/4" total length— provides extended grip areas and extra support for longer materials
- Microfine miter adjustment knob— for fine adjustment of key (detent) miter angles by up to 2°, left or right
- Miter detent override holds miter detent lever away from table for free rotation or engagement of Microfine Miter Adjustment feature
- Spindle lock for fast, easy blade changes
- Tall 4" speed-track sliding fences for easy bevel set-ups and increased crown molding cutting capacities



Cat. No.	Rating (Volt AC)	Amps	No Load RPM	Blade Size (in)	Length (in)	Ht. (in)	Wt. (lbs)
4310	120	15	4,800	10	37-1/4	55	

**5" Rear-Handle Random Orbit Sander with Vibration Control**

ROS65VC-5

- Bosch-exclusive suspension system minimizes vibration for superior handling and maximum comfort.
- Two dust collection systems— microfilter dust canister with integrated paper filter and screw-off cap or vacuum hose connection with airflow control.
- Power 3.3-amp sander with variable speed dial to match speed to workpiece and task.
- Sanding versatility for fast stock removal and/or a smooth, well-blended finish.
- Integral pad dampening system helps prevent swirl marks for consistent fine finish
- Accepts 6 in./ backing pads (6-hole) and 5 in. backing pads (8-hole).
- High-performance soft microcellular hook-&-loop backing pad conforms to many contours.
- Multiple ergonomic soft-grip locations to help prevent hand fatigue.
- Rugged die-cast aluminum gear housing with exclusive dual-bearing pad mount — long-life design eliminates wobble and vibration
- Trigger switch with lock-on button for ease of use.



Cat. No.	Rating (Volt AC)	Amps	No Load OPM	Eccentric Offset (in)	Length (in)	Ht. (in)	Wt. (lbs)
ROS65VC-5	120	3.3	5,500-12,000	5/64	6.6	7-3/4	5.3

**Dual-Mode Random Orbit Sander/Polisher 1250DEVS**

- Multiple-purpose sander with two sanding modes: random orbit mode for normal stock removal or fine finishing and "Turbo" driven eccentric orbit mode for aggressive stock removal at 5x random orbit sander removal rate
- Mode selector switch— quickly change between random orbit mode and "Turbo" mode
- Soft Start reduces start-up torque
- Constant Response™ circuitry maintains pad speed under heavy loads and protects against overloads
- High-performance soft microcellular backing pad conforms to contours, provides a fine finish
- Integral pad dampening system helps prevent swirl marks for consistent fine finish
- Rugged die-cast aluminum gear housing with exclusive dual-bearing pad mount - long-life design eliminates wobble and vibration
- Tapered soft-grip top, plus ergonomic handles for comfort and control
- Passive dust collection system— vacuum cleaner and hoses required - accepts Bosch VAC009, VAC010 and VAC025 hoses or VAC002 hose adapter
- Uses 6-hole 6" hook and loop discs— compatible with industry-standard discs



Cat. No.	Rating (Volt AC)	Amps	No Load Orbits/Min	Disk Size (in)	Eccentric Offset (in)	Lgth. (in)	Ht. (in)	Wt. (lbs)
1250DEVS	120	6.5	3,100-6,650	6	3/32	12	6	5.3

**3" x 21" Variable-Speed Belt Sander**

1274DVS, 1274DVSK

- Variable speed dial allows matching of speed to workpiece and task
- Lightweight design for both vertical and horizontal applications, great for remodeling work
- 16-ft. cord for extended range of operation
- Removable front handle
- Compact in-line design for better balance
- Sands flush to vertical surfaces for sanding versatility
- Lever belt release-action for quick belt changes
- Belt tracking adjustment knob
- Graphite platen protector pad for cool running and uniform sanding
- Replaceable wear inserts protect housing from damage
- Accepts optional sanding stand and fence for versatility and accuracy



Cat. No.	Rating (Volt AC)	Amps	Belt Size (in)	SPFM	Length (in)	Wt. (lbs)
1274DVS	120	6.6	3 x 21	550-1,550	13.8	7.1
1274DVSK	120	6.6	3 x 21	550-1,550	13.8	7.1

## Bosch/ Chicago Pneumatic

### Foam Rubber Cutter

1575A

- Heavy-duty for fast, production cuffing of all densities of foam rubber and flexible plastic foams
- Versatile - will cut all types of carpeting
- Quick blade change - no tools required
- Long, paddle-type switch and slim motor housing are easy to grip
- Available in 220/230V



Cat. No.	Rating (Volt AC)	Amps	No Load Strokes/Min.	Length (in)	Wt. (lbs)
1575A	120	3.2	3,200	9-3/4	3.3

### Heat Gun

1942

- Powerful blower provides a high volume of air needed for industrial applications
- Air intake regulator adjusts the temperature to the requirements of the job
- Cool air setting for cooling tool and for no-heat applications, adds versatility
- Insulated nozzle protects operator, provides a cool exterior temperature
- Padded, adjustable stand allows stationary use with multi-position holder
- Multiple uses— strip paint, shrink tubing or packaging, heat liquids, loosen fittings, soften caulking and surface finishes, thaw pipes.
- Range of accessories— Adapts tool for specific uses in building trades, industrial applications, and laboratory work



Cat. No.	Rating (Volt AC)	Amps	Temp. Settings (F)	Air Vol. (CFM)	Length (in)	Wt. (lbs)
1942	120	14.3	750° - 1,000°	23	8	3.5

## Chicago Pneumatic

### DEMOLITION TOOLS:

#### Breakers - Four Bolt

CP Breakers can be equipped with mufflers that comply with EEC sound regulations. CP Four-Bolt breakers require minimal servicing to maintain peak operating efficiency over extended periods of rugged use.

#### CP-0111 and CP-1210

Applications: The CP-0111 (25 pound class) and CP-1210 (35 pound class) demolition tools are lightweight yet rugged tools designed for light-to medium - construction and plant maintenance work such as light demolition of floors, pavement, macadam, frozen ground and masonry walls. These tools are very popular for bridge deck jobs. CP-0111-THLA-EX has an extended handle for trench work.

#### Features:

- Alloy steel forgings - provide excellent durability
- Four-bolt backhead design - withstands rugged use
- Integral oilers - provide continuous lubrication
- Heavy-duty fronthead springs on CP-1210 - reduce reaction back to operator
- CP-1210-S equipped with a "Hushed Power" muffler - to reduce sound level.
- Vibration reduced handle (VR Series) available on CP-1210.

#### Breakers - Four Bolt (continued)

#### CP-0117, CP-1230 and CP-1240

The CP-1230 (60 pound class) and CP-0117/CP-1240 (80/ 90 pound class) demolition tools are designed to deliver the power and durability necessary for a variety of construction and plant maintenance applications such as breaking heavy concrete, reinforced concrete, frozen ground, macadam, boulders and pavement.

#### Features:

- Alloy steel forgings - for excellent durability
- Four-bolt backhead - withstands rugged use (CP-0117 uses 2-bolts)
- Integral oiler - provides continuous lubrication
- Heavy-duty fronthead springs - reduce reaction back to operator
- Reversible piston - reduces maintenance cost
- Air inlet swivel - for easy maneuverability
- "Hushed Power" versions - CP-1230-S, CP-1240-S and CP-0117-S are equipped with mufflers
- Vibration reduced handle (VR Series) available on CP-1230 and CP-1240.



CP-1210



CP-1210 VR



CP-1230

Cat. No.	Retainer	Net Wt. (lbs)	Overall Length (in)	Std. Hex Chuck Size (in)	Ship. Wt. (lbs)
CP-0111: 3/4" (NPTF) air inlet thread;					
CP-1210: 1/2" (NPTF) swivel air inlet;					
CP-1230 and CP-1240: 3/4" (NPTF) swivel air inlet.					
<b>25-lb. Class, Air Consumption: 45 CFM at 90 PSI</b>					
CP-0111-THLA	Latch	30	20	1 x 4-1/4	36
CP-0111-THLA-EX	Latch	33	30-3/8	1 x 4-1/4	39
<b>35-lb. Class, Air Consumption: 48 CFM at 90 PSI</b>					
CP-1210	Latch	42	21-1/8	1 x 4-1/4	47
CP-1210-S*	Latch	44	21-1/8	1 x 4-1/4	49
CP-1210-E†	Latch	42	21-1/8	1 x 4-1/4	47
CP-1210-ES†	Latch	44	21-1/8	1 x 4-1/4	49
CP-1210VR	Latch	49	23-1/2	1 x 4-1/4	55
CP-1210VRS	Latch	51	23-1/2	1 x 4-1/4	57
<b>60-lb. Class, Air Consumption: 63 CFM at 90 PSI</b>					
CP-1230-1.12	Latch	65	26-1/2	1-1/8 x 6	66
CP-1230-S1.12*	Latch	68	26-1/2	1-1/8 x 6	68
CP-1230-1.25	Latch	65	26-1/2	1-1/4 x 6	66
CP-1230-S1.25*	Latch	68	26-1/2	1-1/4 x 6	68
CP-1230VR-1.12	Latch	74	27-1/2	1-1/8 x 6	79
CP-1230VR-S1.12	Latch	76	27-1/2	1-1/8 x 6	81
CP1230VR-1.25	Latch	74	27-1/2	1-1/4 x 6	79
CP-1230VR-S1.25	Latch	76	27-1/2	1-1/4 x 6	81
<b>80/90-lb. Class, Air Consumption: 81 CFM at 90 PSI</b>					
CP-0117†	Spring	75	28-3/4	1-1/4 x 6	81
CP-0117-S†	Spring	79	28-3/4	1-1/4 x 6	85
CP-1240-1.12	Latch	83	28-3/4	1-1/8 x 6	89
CP-1240-S1.12*	Latch	86	28-3/4	1-1/8 x 6	92
CP-1240-1.25	Latch	83	28-3/4	1-1/4 x 6	89
CP-1240-S1.25*	Latch	86	28-3/4	1-1/4 x 6	92
CP-1240VR-1.12	Latch	92	30	1-1/8 x 6	95
CP-1240VR-S1.12	Latch	95	30	1-1/8 x 6	98
CP-1240VR-1.25	Latch	92	30	1-1/4 x 6	95
CP-1240VR-S1.25	Latch	95	30	1-1/4 x 6	98

\*"S" in catalog number designates muffled "Hushed Power" models  
†These tools not sold in U.S.A.

**Power Tools**

**Chicago Pneumatic**

**Clay Diggers/Picks**

**Applications:** These tools are suited for trenching, tunneling, lateral and overhead work and light demolition in construction applications.

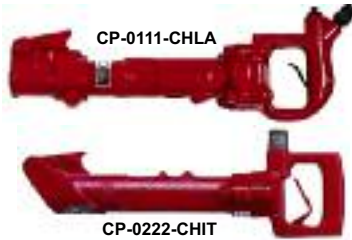
**Features**

**CP-0111**

- Heat treated alloy steel components
- Provide excellent durability
- Latch retainer

**CP-0222**

- Lightweight, compact, for easy handling
- Latch retainer



**CP-0111:** air consumption at 90 psi 45 cfm, 3/8" (NPTF) air inlet;  
**CP-0220, CP-0222:** air consumption at 90 psi 44 cfm, 1/2" (NPTF) air inlet thread;  
**FL-0022:** air consumption at 90 psi 30 cfm.

Cat. No.	Bore & Stroke (in)	Throttle (in)	Net Wt. (lbs)	Overall Length (in)	Retainer	Std. Chuck (in)
CP-0111-CHLA Clay Digger	1.63 x 3.5	Outside Trigger	29	22-1/2	Latch	1 hex x 4-1/2
CP-0222-CHIT Clay Digger	1.6 x 3.38	Inside Trigger	22	19-1/2	Latch	7/8 hex x 3-1/4

**Busters**

**Applications:** These tools are excellent for medium to heavy concrete demolition, cutting large rivets and bolts, and other cutting and ripping operations.

**Features:**

**CP-4180**

- Teasing throttle - for precise control
- Simplate valve and long piston stroke - deliver concentrated power to handle tough jobs
- Ergonomic closed grip "D" handle with inside trigger - provides solid comfortable grip while providing protection from external damage
- Hardened steel piston cylinder and retainer - for long life
- Unique air "lockout" mechanism, patented by CP - automatically stops air flow to the tool if retainer is loosened or removed; helps prevent chisel from being accidentally ejected; tool remains disarmed until retainer is correctly placed
- Screw-on retainer - provides a positive lock of chisel to tool; has resilient bumper to absorb shock of chisel when driven forward; retainer acts as integral part of the "lockout" mechanism
- Two bolt flanged connection between cylinder and handle - for fast easy service; positive handle-to-cylinder joint reduces parts breakage



**CP-4181**

- Boyer valve and long piston stroke - deliver the power required to handle the toughest jobs
- Teasing throttle - precise control
- Forged steel handle - designed for long life under rugged conditions
- Hardened steel piston and cylinder - excellent wear resistance

**Std. Equipment:** Two spare rubber bumpers, Lower sleeve, Upper sleeve, Wire retainer spring

**All Models:** air consumption: **CP-4180-8 & CP-4181-PUSER** 37 cfm at 90 psi; **CP-4180-11 & CP-4181-PULER** 38 cfm at 90 psi; type RB Chisel Shank; 3/8" (NPTF) air inlet thread.

Cat. No.	Cap. Rivet Cutting Dia. (in)	Bore & Stroke (in)	Blows per Min.	Handle/Trigger	Overall Length (in)	Net Weight (lbs)
CP-4180-8	7/8	1-3/16 x 8	1080	Closed/Inside	23	32.5
CP-4180-11	1	1-3/16 x 11	720	Closed/Inside	26	35.5
CP-4181-PUSER	7/8	1-3/16 x 8	1080	Pistol/Inside	23	29
CP-4181-PULER	1	1-3/16 x 11	720	Pistol/Outside	26	33

**ROCK DRILLS:**

**Sinker Drills**

**Applications:** Chicago Pneumatic Sinker Drills are the ideal tools for your drilling operations. Their streamlined design incorporates smooth contours, a side exhaust and a "flat back" that makes them easy to handle in quarry, mine and general excavating work. The design also provides a main valve and cylinder porting concept that helps maintain constant drilling speed throughout a long service life. Working parts are constantly protected with an effective lubrication system. Standard and "Hushed-Power" types are available in a range of weights and sizes to fit any requirement you might have.

**Features - All Models**

- Forged steel housings withstand rugged use
- Cushioned piston reduces shock
- Multiposition throttle for easy starting of holes
- Blower lever for deep hole cleaning, except CP-0022
- Integral oiler provides continuous lubrication
- Air inlet swivel improved maneuverability

**CP-0022 Sinker Drill**

**30-Pound Class** - The CP-0022 provides drilling capability for holes up to 1-3/4" diameter, 8' deep. This is the ideal choice where a lightweight and powerful tool is needed in public works, utilities and drilling from scaffolding. Also the correct choice where air supply is limited. Spring retainer used for quick steel changes.

**CP-0032A Sinker Drill**

**45-Pound Class** - Choose the CP-0032A for holes up to 2" diameter and 10' deep. A top performer in its class, the CP-0032A is highly effective in general excavation work, quarry drilling, bench mining and other jobs requiring a sinker in the 45-pound class. The tool's durable "Beavertail" retainer helps it deliver increased contact and reduces collar wear.

**All Models:** dry type; double-grip handles, 3/4" (NPTF) swivel air inlet.



Cat. No.	Net Wt. (lbs)	Overall Length with Retainer (in)	Std. Hex Chuck Size (in)
<b>30-LB. Class, Air Consumption: 56 CFM AT 90 PSI</b>			
CP-0022†	28	19-7/8	7/8 X 3-1/4
<b>45-LB. Class, Air Consumption: 103 CFM AT 90 PSI</b>			
CP-0032A-.87	54	22	7/8 X 3-1/4
CP-0032A-.87A	54	23	7/8 X 4-1/4
CP-0032A-1	54	23	1 X 4-1/4
† Note: CP-0022 Rock Drill can be equipped with 7/8" x 4-1/4" bushing and spring retainer.			



## Chicago Pneumatic

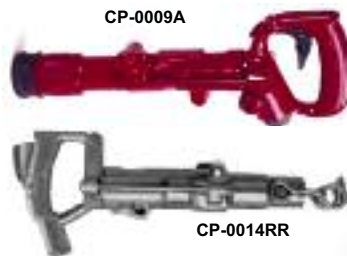
### Rotary Hammers

These versatile tools are both a drill and a chipping hammer. A push of the rotation release button easily and quickly converts the tool to a hammer.

**Applications:** The CP-0009 and CP-0014RR rotary hammers are designed for a wide variety of construction and maintenance applications such as driving or setting masonry anchors and drilling holes in concrete, bricks or rock. As a hammer, these tools can be used for chipping, scarifying, scaling and cleaning welds.

#### Features - All Models

- Excellent power-to-weight ratio helps drill holes faster and easier than comparable electric rotary hammers.
- Built-in oiler provides continuous lubrication
- Teasing throttle for precise control
- Rotation release button converts tool to a hammer
- Cushioned piston for smooth operation, long life
- "Hushed Power" muffler available to reduce noise



#### CP-0009A

- Right-hand rotation for use with electric rotary hammer drill bits as well as traditional CP tungsten carbide steels (CP adapter is required for use with electric rotary hammer drill bits)

Cat. No.	Net Wt. (lbs) Tool Only	Net Wt. (lbs) Kit Complete	Overall Length (in)	Type of Chuck (in)	Rotation Release
CP-0009A †	8	—	14-3/4	3/4 round x 3-3/4 shank	Yes
CP-0009AK † (Kit)	—	22	—	3/4 round x 3-3/4 shank	Yes
CP-0009BS*	8	—	14-3/4	3/4 round x 3-3/4 shank	Yes
CP-0003CSK* (Kit)	—	—	—	3/4 round x 3-3/4 shank	Yes
CP-0009CS*	8	—	14-3/4	3/4 round x 3-3/4	No
CP-0009ES*	8	—	14-3/4	Spline Drive	Yes
CP-0009F †	8	—	14-3/4	Spline Drive	Yes
CP-0014RR †	15	—	18-1/2	Spring 7/8 hex x 3-1/4 shank	Yes
CP-0014RRBS	15	—	18-1/2	Spring 7/8 hex x 3-1/4 shank	Yes

\* Not available in USA; includes muffler, BSP air inlet  
† Unmuffled tools not sold in certain countries. Call for more details.

### Weld Flux Chipper

**Applications:** This chipper removes weld flux and handles a variety of light-chipping jobs.

#### Features

- Medium-duty weld flux chipper
- Simple plate valve design for smooth throttling
- Retainer releases with a press of the thumb for quick chisel changing
- Heat-treated piston, cylinder sleeve and chisel bushing for long life
- Versatile design weld flux chipper can be converted to needle scaler by adding needle scaler attachment P-136983.



CP-9356

Cat. No.	Type of Handle	Bore & Stroke (in)	Blows per Min.	Overall Length (in)	Net Weight (lbs)
CP-9356	Lever	1 x 1-1/8	4600	9-3/8	3-3/4

### HAMMERS:

#### Chipping Hammers

##### CP-4123

**Applications:** This heavy-duty tool is designed for rugged use in foundries, fabrication shops and construction applications. The tool is available in 1" thru 4" stroke versions which offer the power levels necessary for a variety of uses, from light to medium chipping and trimming through heavy cutting.



CP-4123-PYRA

#### Features

- Simplate valve - for smooth, powerful operation
- Rugged construction - hardened steel piston, cylinder and handle
- Teasing throttle - for precise control
- Clip lock - prevents loosening of handle/cylinder
- Choice of bushing:
  - round - chisel freely rotates
  - hex - prevents chisel rotation

##### CP-4125

**Applications:** This heavy-duty tool is designed for rugged use in foundries, shipyards, refineries, fabrication shops and construction applications. Available in 1" thru 4" stroke versions to offer the power levels necessary for a variety of uses from light and medium chipping and trimming through heavy cutting.

#### Features

- Simplate valve - powerful, smooth running hammer with excellent controllability
- Teasing throttle provides precise control
- Spline lock—prevents loosening of handle/cylinder
- Forged steel handle—withstands rugged use
- Heat treated cylinders with chrome plated bores - ensure excellent durability
- Choice of bushing:
  - round - chisel freely rotates
  - hex - prevents chisel rotation

Cat. No.	Bore & Stroke (in)	Blows per Min.	Chisel Bushing (in)	Overall Length (in)	Net Wt. (lbs)
CP-4123-PYBA	1-1/8 x 1	2820	.680 Round	12-1/8	12
CP-4123-PYBE	1-1/8 x 1	2820	.580 Hex.	12-1/8	12
CP-4123-PYRA	1-1/8 x 2	2400	.680 Round	12-7/8	13
CP-4123-PYRE	1-1/8 x 2	2400	.580 Hex.	12-7/8	13
CP-4123-PYSA	1-1/8 x 3	1920	.680 Round	14-7/8	14-1/4
CP-4123-PYSE	1-1/8 x 3	1920	.580 Hex.	14-7/8	14-1/4
CP-4123-PYTA	1-1/8 x 4	1500	.680 Round	16-1/8	15-1/2
CP-4123-PYTE	1-1/8 x 4	1500	.580 Hex.	16-1/8	15-1/2
CP-4125-PYBA	1-1/8 x 1	2820	.680 Round	12-1/8	12
CP-4125-PYBE	1-1/8 x 1	2820	.580 Hex.	12-1/8	12
CP-4125-PYRA	1-1/8 x 2	2400	.680 Round	12-7/8	13
CP-4125-PYRE	1-1/8 x 2	2400	.580 Hex.	12-7/8	13
CP-4125-PYSA	1-1/8 x 3	1920	.680 Round	14-7/8	14-1/4
CP-4125-PYSE	1-1/8 x 3	1920	.580 Hex.	14-7/8	14-1/4
CP-4125-PYTA	1-1/8 x 4	1500	.680 Round	16-1/8	15-1/2
CP-4125-PYTE	1-1/8 x 4	1500	.580 Hex.	16-1/8	15-1/2

**Power Tools**

**Chicago Pneumatic**

**Needle Scalars**

**Features**

**CP-0951, CP-0952**

- Medium- duty needle scalars
- Simple valveless design reduces maintenance
- Pneumatic needle return ensures no spring breakage



**CP-9356-NS**

- Medium-duty needle scaler with the same design features as the CP-9356 weld flux chipper
- Simple removal of the needle scaler attachment converts tool into weld flux chipper

Cat. No.	Type of Handle	Bore & Stroke (in)	Blows per Min.	Needle Sets and Part No.	Dia. (in)	No. Needles per Set	Overall Length (in)	Net Wt. (lbs)
CP-0951	Lever	25/32 x 1-1/8	3600	(1)NP-123905 (1)NP-123901	5/64 1/8	29 12	13-5/8	5-5/16
CP-0952	Offset	15/16 x 1-1/8	3900	(1)NP-123906 (1)NP-123902	5/64 1/8	53 23	13-1/4	5-7/8
CP-9356-NS	Lever	1 x 1-1/8	4600	(1)P-137151	1/8	19	17	6

**PUMPS:**

**Sump**

**CCP-0010, CP-0020**

**Applications:** CP-0010 and CP-0020 sump pumps are designed with the performance and durability which make them ideal for removing water from trenches, ditches, manholes, industrial sumps and excavations. Will pump down to within 7/8" form base.

**Features - All Models**

- Single-stage centrifugal units driven by powerful vane motors
- Double seals protect bearings and motor from water and mud
- Integral oiler provides continuous lubrication
- Integral strainer, air inlet valve
- Bronze impeller
- Cast-iron housing



**CAUTION:** CP-0010 and CP-0020 pumps are not to be used for pumping flammable fluids.

Cat. No.	Min. Water Depth (in)	Overall Height (in)	Height w/o Valve (in)	Water Discharge (NPT)	Net Wt. (lbs)	Min. Opening Pump Will Enter (in)	Air Inlet Thread Size (NPT)	Recom. Hose Size (in)	Pump Performance Discharge (GPM)
CP-0010	7/8	17-1/2	13-1/4	2"	33	8-1/4 x 9	3/4"	3/4	Table A
CP-0020	7/8	16	11-3/4	2-1/2"	58	9 x 11-3/4	1"	1	Table B

**TAMPERS:**

**Backfill**

**Applications:** CP backfill tampers are designed to effectively compact soil around foundations and other structures and for compacting backfill in trenches.

The CP-0003 is designed to handle light-to-medium applications; the CP-0004RV is the idea tool for heavier jobs.

**Features:**

**CP-0003 and CP-0004RV**

- Maximum power - slow, powerful blows efficiently and quickly compact all types of backfill, including clay and soils containing high percentages of finely crushed or powered material
- Heat-treated cylinder and chrome plated piston - significantly extended tool life
- Adjustable packing – maintains a positive air seal
- Butt held with clamp screw – for quick easy replacement
- Exhaust deflector – directs air, moisture and oil away from operator
- Integral oiler – continuously lubricates tool during operation
- Well balanced, smooth operating tool – easily guided by one person



**All Models:** 1/2" (NPTF) air inlet thread; air consumption: CP-0003 18 cfm at 90 psi, CP-0004RV 28 cfm at 90 psi, aluminum butt.

Cat. No.	Valve Type	Bore & Stroke (in)	Blows per Min.	Net Wt. (lbs)	Overall Length (in)	Piston Rod	
						Body Dia. (in)	Butt Size (in)
CP-0003	Simplate Valve	1-7/16 x 6	800	30	52	7/8	5
CP-0004RV	Ring Valve	2-1/4 x 6	780	42	50	1	6-1/4

**CUT-OFF SAW:**

**Air Powered Cut-Off Saw**

The CP-0044 is a powerful tool driven by a direct drive, 4 hp motor and is designed to cut a variety of surfaces including concrete, asphalt and stone. This direct drive saw has no belts to continually check for tension. The CP-0044 is also engineered for precise balance so less effort is needed to do the job at hand. A built-in oiler provides for continuous lubrication so more time is spent on the job and less time servicing.

The CP-0044 is also designed with safety in mind using a standard lock-off trigger to help prevent accidental starting. Also the blade guard can be operated with one hand for convenience.

**Features:**

- Chicago Pneumatic 4 hp motor
- One-hand operation blade guard
- Integral oiler
- Lock-off trigger
- Direct drive operation
- Two position handle

1/2" NPTF air inlet, 85 cfm



Cat. No.	Blade Arbor Dia. (in)	No Load RPM	Wt. w/Blade (lbs)	Overall Length (in)	Max. Cutting Depth (in)	Blade Cap. (in)
CP-0044	1	4800	28	26-1/2	4	14

## Chicago Pneumatic

### IMPACT WRENCHES:

#### CP9540-RSR\*

##### 1/2" Bolt Capacity

Standard-duty for use in a variety of fastening operations.

- Oil bath clutch chamber
- Pin clutch
- Push-through reverse mechanism
- Built-in air regulator

\* RediPower model numbers will be provided while supplies last  
^ Future replacement models



Cat. No.	Shank		Working Torque (ft-lb)	Max. Torque (ft-lb)	CFM	dBA	Vibration m/S <sup>2</sup>	Overall Length (in)	Net Wt. (lbs)
	Size (in)	Retainer Type							
CP9540-RSR	1/2	Friction Ring	25-310	425	14	92	2.9	6-3/4	5

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1.

#### CP7749

##### 1/2" inch Air Impact Wrench

- Revolutionary S2S Technology™ is the fastest and easiest to use forward/reverse ever.
- Power to do every job in the shop with 725 ft.-lbs of Ultimate Torque.
- Perfect balance reduces wrist and forearm fatigue.
- Light weight and compact magnesium composite design weighs in at only 4.37 lbs.
- Insulated composite handle is perfectly positioned for comfort, control, and doesn't feel "hot or cold" to the touch.
- Full-tease trigger provides ultimate speed control and raises productivity. Twin hammer clutch ensures power and long-term durability.
- Environmentally conscious generating only 94 dBA at free speed



Cat. No.	Working Torque (ft-lb)	Max. Torque (ft-lb)	CFM	Overall Length (in)	Net Wt. (lbs)
CP7749	75-580	725	4.8	7.3	4.37
CP7749-2	75-580	725	4.8	9.7	4.7
CP7750	50-550	800	5.5	7.6	5
CP7750-2	50-650	800	6	9.6	5.9

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1.

#### CP9560-RSR\*/CP772H^

##### 3/4" Bolt Capacity

High ultimate torque for tough applications; ideal for hard pull up conditions. 3/8" (NPTF) air inlet thread; 3/8" min. hose size.

- Pin clutch
- Push-through reverse mechanism
- Built-in air regulator
- Teasing throttle
- Oil bath clutch chamber

\* RediPower model numbers will be provided while supplies last  
^ Future replacement models



Cat. No.	Shank		Working Torque (ft-lb)	Max. Torque (ft-lb)	CFM	dBA	Vibration m/S <sup>2</sup>	Overall Length (in)	Net Wt. (lbs)
	Size (in)	Retainer Type							
CP9560-RSR	3/4	Friction Ring	150-700	1000	32	95	4.0	9-5/8	10-1/2
CP772H									

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1.

#### CP8072

##### 3/4" Light Weight Composite Heavy Duty Air Impact Wrench

- 3/4" Heavy duty impact wrench
- Twin hammer clutch
- Magnesium housing
- Forward position: 3 power settings
- Cushion grip handle
- Reduced noise and lightweight tool
- Great durability and power
- Operator comfort



Cat. No.	Working Torque (ft-lb)	Max. Torque (ft-lb)	CFM	Overall Vibration m/S <sup>2</sup>	Net Length (in)	Wt. (lbs)
CP8072	100-960	1217	36	5.3	9.05	10.7

#### CP8073

- 3/4" Heavy duty impact wrench
- Twin hammer clutch
- Magnesium housing
- Forward position: 3 power settings
- Cushion grip handle
- Reduced noise and lightweight tool
- Great durability and power
- Operator comfort



Cat. No.	Working Torque (ft-lb)	Max. Torque (ft-lb)	CFM	Overall Vibration m/S <sup>2</sup>	Net Length (in)	Wt. (lbs)
CP8073	100-960	1217	36	5.3	15.2	12.9
CP8075	100-960	1217	36	5.3	15.2	12.9

#### CP7778, CP7775, CP897

##### 1" Bolt Capacity

- High performance clutch provides longer life under tough conditions.
- High-efficiency 6 vane motor for maximum performance.
- Bottom exhaust directs exhaust way from the operator.
- Three position power regulator with directional control.



Cat. No.	Working Torque (ft-lb)	Max. Torque (ft-lb)	Overall Length (in)	Net Wt. (lbs)
CP7778	100-1,100	1,450	13.4	25.4
CP7775	100-1,100	1,550	13.9	22.2
CP897	150-800	1,763	13.75	16.25

**Power Tools**

**Chicago Pneumatic**

**CP-7774, CP796**

- 1" impact wrench
- Rocking dog clutch
- 3-position power settings in forward and reverse
- Ergonomic handle and lightweight tool
- Extreme durability for everyday work
- Great weight / power ratio
- Operator comfort



Cat. No.	Working Torque (ft-lb)	Max. Torque (ft-lb)	CFM	dBA	Vibration m/S <sup>2</sup>	Overall Length (in)	Net Wt. (lbs)
CP7774	136-1,763	2,373	33	116	13.7	10.5	22.2
CP796	300-1,400	2,000	12	--	13.0	9.5	20

**RATCHETS:**

**CP7828, CP7830HQ**

- Quiet operation
- Compact, yet packed with power and speed
- Features CP's patented TRISPRING antislip head design which virtually eliminates slippage
- Easy touch variable speed trigger for speed control on all types of work



Cat. No.	RPM	Torque Range (ft-lb)		CFM	dBA	Overall Length (in)	Net Wt. (lbs)
		Min.	Max.				
CP7828	240	5	50	4	87.5	10.75	2.75
CP7830HQ	190	--	90	5	79	12	2.7

**GRINDERS:**

**Mini Die Grinder**

**CP876**

For high-speed blending, smoothing, porting and deburring in confined areas. 1/4" (NPTF) air inlet thread; 3/8" min. hose size.

- Compact, lightweight design
- Lock-off throttle
- Built-in regulator
- Front exhaust



\* RediPower model numbers will be provided while supplies last  
^ Future replacement models

**Std. Equipment:** 1/4" and 6 mm collet.

Cat. No.	Collet Size (in)	Spindle Thread and Projection	Free Speed RPM	CFM	dBA	Vibration m/S <sup>2</sup>	Length (in)	Net Wt. (lbs)
CP876	1/4	3/8-24	28000	16	101	2.5	4-3/4	3/4

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1.

**Mini Angle Die Grinder**

**CP875**

For high-speed blending, smoothing, porting and deburring in confined areas. 1/4" (NPTF) air inlet thread; 3/8" min. hose size.

- Compact, lightweight design
- Lock-off throttle
- 90° angle head
- Front exhaust



\* RediPower model numbers will be provided while supplies last  
^ Future replacement models

Cat. No.	Collet Size (in)	Spindle Thread and Projection	Free Speed RPM	CFM	dBA	Vibration m/S <sup>2</sup>	Lgth. (in)	Net Wt. (lbs)
CP875	1/4	3/8-24	21000	16	101	2.5	4-7/8	1

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1.

**Angle Grinder**

**CP-9110\***

For cleaning, deburring, blending and smoothing. 1/4" (NPTF) air inlet thread; 3/8" min. hose size.

- 0.6 hp motor
- Aluminum alloy housing
- Spiral bevel gearing in angle head
- Removable dead handle



**Std. Equipment:** 4" Wheel Guard, Depressed Center Wheel Adapter, Wheel Nut, Wheel Nut Wrenches.

\* RediPower model numbers will be provided while supplies last  
^ Future replacement models

Cat. No.	Wheel Size (in)	Spindle Thread (in)	Free Speed RPM	Height to Grinding Wheel Face (in)	CFM	dBA	Vibration m/S <sup>2</sup>	Overall Length Less Guard (in)	Net Weight Less Guard (lbs)
CP9110	4	3/8-24	12000	3	24	85	2.5	9	3-3/4
CP9110-E	5	M10	12000	3	24	85	2.5	9	3-3/4

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1.

**Angle Grinder**

**CP-9160\***

Use with 7" type 27 grinding wheels for cleaning, deburring, blending, and smoothing. 3/8" (NPTF) air inlet thread; 3/8" min. hose size.

- 1.25 hp motor
- Aluminum alloy housing
- Spiral bevel gearing in angle head
- Removable dead handle



**Std. Equipment:** 7" Wheel Guard, Depressed Center Wheel Adapter, Wheel Nut Wrench.

\* RediPower model numbers will be provided while supplies last  
^ Future replacement models

Cat. No.	Wheel Size (in)	Spindle Thread (in)	Free Speed RPM	Height to Grinding Wheel Face (in)	CFM	dBA	Vibration m/S <sup>2</sup>	Overall Length Less Guard (in)	Net Weight Less Guard (lbs)
CP9160	7	5/8-11	7500	3-3/4	33	93	4.2	13-1/8	6-1/4

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1.



## Chicago Pneumatic

### SANDERS:

#### Random Orbital Sander

##### CP-9164\*

Use the orbital motion for fine finishing; rotary motion for rapid material removal. 1/4" (NPTF) air inlet thread; 3/8" min. hose size.

- Balanced counterweight design
- Cross-bolt-style hub mounting
- Built-in speed regulator
- Heavy-duty ball bearing construction

**Std. Equipment:** Sanding Pad.

\* RediPower model numbers will be provided while supplies last

^ Future replacement models



Cat. No.	Paper Size (in)	Spindle Thread (in)	Free Speed RPM	CFM	dBA	Vibration m/S <sup>2</sup>	Ht. (in)	Wt. (lbs)
CP9164	6	5/16	10000	20	86	<2.5	3-1/2	4

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1.

#### Sander

##### CP9165-45\*

For use in a variety of sanding, blending, and smoothing operations in the appliance, construction, shipyard, and electronics industries or wherever metal or fiberglass is being prepared or finished.

- Double idler planetary gears
- Muffed handle exhaust
- 1 horsepower motor

\* RediPower model numbers will be provided while supplies last

^ Future replacement models



Cat. No.	Paper Size (in)	Spindle Thread (in)	Free Speed RPM	CFM	dBA	Vibration m/S <sup>2</sup>	Overall Length (in)	Net Wt. (lbs)
CP9165-45	7	5/8-11	4500	24	89	<2.5	7.5	4.5

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1. 1/4" (NPTF) air inlet thread; 3/8" min. hose size.

#### High-Speed Sander

##### CP-9778\*

For use in weld smoothing, and paint and rust removal. 1/4" (NPTF) air inlet thread; 3/8" min. hose size.

- Built-in regulator and variable-speed throttle
- Rugged 1/2 hp motor
- Low vibration
- Light weight for easy handling

\* RediPower model numbers will be provided while supplies last

^ Future replacement models



Cat. No.	Paper Size (in)	Spindle Thread (in)	Free Speed RPM	CFM	dBA	Vibration m/S <sup>2</sup>	Overall Length (in)	Net Wt. (lbs)
CP9778	5	7/16-20	14000	24	96	2.9	6	2-1/4

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1.

### DRILLS:

#### Nonreversible

#### 1/8" to 1/2" Capacity

##### CP-9285\*/CP785^

For maintenance and general use. 1/4" (NPTF) air inlet thread; 3/8" minimum hose size.

- 1/2 hp motor
- Light weight
- Triple idler planetary gears
- Double ball bearing supported spindle
- Teasing throttle

**Std. Equipment:** Removable Dead Handle on 9285-S

\* RediPower model numbers will be provided while supplies last

^ Future replacement models



Cat. No.	Paper Size (in)	Spindle Thread (in)	Free Speed RPM	CFM	dBA	Vibration m/S <sup>2</sup>	Overall Length (in)	Net Wt. (lbs)
CP9285	3/8	3/8-24	2400	12	90	2.5	7	2-1/4
CP9285-5	1/2	3/8-24	500	12	91	2.5	7-3/4	3

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1.

### HAMMERS:

#### Utility Hammer

##### CP9537

- Heavy-duty pistol grip hammer
- Higher cold rivet capacity
- Standard .401 round shank
- Longer piston stroke for higher power
- Unique vibration damping
- Teasing trigger for slow start-up
- Maximize operator comfort and control
- Smooth operation
- Low vibrations to maximize productivity



Cat. No.	Bore and Stroke (in)	Blows per Min.	Rivet Set and Chisel Shank	CFM	dBA	Vibration m/S <sup>2</sup>	Overall Length (in)	Net Wt. (lbs)
CP9537	.75 x 3.5	2200	.401	17	95	3.2	11	4.5

**Power Tools**

**Chicago Pneumatic/ Cyclone**

**NEEDLE SCALERS:**

**Needle Scaler**

**CP-9356-NS**

For removing rust, scale, paint, and other residue from irregular surfaces in shipyards, fabrication shops, refineries, and foundries.

- Simple plate valve design for smooth throttling
- Heat-treated piston, cylinder sleeve and chisel bushing for long life
- Removal of needle attachment converts tool to a weld flux chipper



Cat. No.	Type of Handle	Bore and Stroke (in)	Blows per Min.	Needles Furnished w/Tool			CFM	dBA	Vibration m/S <sup>2</sup>	Overall Lgth. (in)	Net Wt. (lbs)
				Part No.	Diam. (in)	No. Needles per Set					
CP9356-NS	Lever	1 x 1-1/8	4600	P100146	1/8	19	15	101	16.7	17	3-3/4

Noise levels are @ 1.0 m per Pneurop Standard 8N-1. Vibration levels are per ISO 8662-1. 3/8" (NPTF) air inlet thread. Type B retainer 1/2" square chisel

**Needle Scaler**

**CP7120**

- Adjustability: Sleeve adjusts for needle protrusion in tune with application needs
- Cleaning of paint, dirt, weld slag or rust
- 19- 1/8-Inch steel needles with high resistance to wear
- Easily converts into a chisel scaler



Cat. No.	Type of Handle	Bore and Stroke (in)	Blows per Min.	CFM	Overall Length (in)	Net Wt. (lbs)
CP7120	Lever	1 x 1.18	4800	15	18	6.2

**Cyclone (Air Tools)**

**PBH1000 Pencil Blaster**

**Overall Dimensions:** 18"H x 16-1/2"W x 12-1/2"D  
**Working Dimensions:** 9"H x 16"W x 12"D  
**Window:** 13-3/4" x 9-3/4"  
**Gun Assembly:** Pencil; 1-1/2 CFM @ 80-90 PSI  
**Electrical:** 110 Volts  
**Dust Collector:** Not Included  
**Weight:** 15 lbs. UPS



**PBH2000 Combination Blaster**

**Overall Dimensions:** 21"H x 23-1/2"W x 18-1/2"D  
**Working Dimensions:** 14"H x 22-1/2"W x 18"D  
**Window:** 20-1/4" x 16-1/4"  
**Construction:** Thick Wall Plastic  
**2 Gun Assemblies:** Pencil; 1-1/2 CFM @ 80-90 PSI  
 Trigger; 5 CFM @ 80-90 PSI  
**Electrical:** 110 Volts  
**Dust Collector:** Not Included  
**Weight:** 30 lbs. UPS



**TF5000 Benchtop Blaster**

**Overall Dimensions:** 30"W x 20"D  
**Overall Height:** 26" Rear-18"Front  
**Working Dimensions:** 28"W x 18"D  
**Working Height:** 16" Rear- 12" Front  
**Window:** 24" x 14"  
**Construction:** Thick Wall Plastic  
**Gun Assembly:** Trigger; 5 CFM @ 80-90 PSI  
**Electrical:** 110 Volts  
**Dust Collector:** 5 Gallon Dust Vac  
**Weight:** 38 lbs. UPS



**4224 Full Top Opening Blaster**

**Overall Dimensions:** 60"H x 45"W x 46"D  
**Working Dimensions:** 24"H x 42"W x 46"D  
**Window:** 7" x 18"  
**Side Door:** 18" x 12"  
**Construction:** 18 Gauge Steel  
**Gun Assembly:** Trigger; 14 CFM @ 90-100 PSI  
**Electrical:** 110 Volts  
**Dust Collector:** DC 1500  
**Weight:** 245 lbs. Common Carrier



**4826 Full Top Opening Blaster**

**Overall Dimensions:** 58"H x 48-1/2"W x 26-1/2"D  
**Working Dimensions:** 26"H x 48"W x 26"D  
**Window:** 25-1/2" x 10-5/8"  
**Side Door:** 18" x 12"  
**Construction:** 18 Gauge Steel  
**Gun Assembly:** Foot Operated; 14 CFM @ 90-100 PSI  
**Electrical:** 110 Volts  
**Dust Collector:** DC 1500  
**Weight:** 275 lbs. Common Carrier



## Cyclone

### 4040 Full Top Opening Blaster w/Side Door

**Overall Dimensions:** 66"H x 43"W x 62"D  
**Working Dimensions:** 30"H x 40"W x 40"D  
**Side Door:** 18" x 28"  
**Window:** 25-1/2" x 10-5/8"  
**Construction:** 16 Gauge Steel  
**Gun Assembly:** Foot Operated; 14 CFM @ 90-100 PSI  
**Electrical:** 110 Volts  
**Dust Collector:** DC 1500  
**Weight:** 345 lbs. Common Carrier



### PT-250 Portable Pressure Blaster

**Sand Capacity:** 250 lbs.  
**Tank Diameter:** 16"  
**Tank Height:** 30"  
**Overall Height:** 36"  
**Hose:** 25'-1/2" ID Hose  
**Nozzle:** 1/4" Ceramic  
**Air Requirements:** 88 CFM @ 100 PSI  
**Weight:** 125 lbs. UPS  
**Misc:** Gauge-Pressure Relief Valve, Canvas Hood



### 6035 Side Door Opening Blast Cabinet

**Overall Dimensions:** 60"H x 60-1/2"W x 35-1/8"D  
**Working Dimensions:** 27"H x 60"W x 35"D  
**Side Door:** 28-1/2" x 22-1/2"  
**Window:** 45" x 12"  
**Construction:** 18 Gauge Steel  
**Gun Assembly:** Foot Operated; 20 CFM @ 90-100 PSI  
**Electrical:** 110 Volts  
**Dust collector:** DC 1500  
**Weight:** 300 lbs. Common Carrier



### Sandblast Kit

**Gun Assembly:** Trigger; 14 CFM @ 90-100 PSI  
**Weight:** 2 lbs. UPS  
**Misc:** 1 Extra Orifice & Allen Tool, 10' p/u hose; 3 extra nozzles



### PT40 Portable Pressure Blaster

**Sand Capacity:** 40 lbs.  
**Tank Diameter:** 10"  
**Tank Height:** 13-1/2"  
**Overall Height:** 25"  
**Hose:** 8'-3/8" ID Hose  
**Nozzle:** 1/8" Ceramic  
**Air Requirements:** 23 CFM @ 100 PSI  
**Weight:** 38 lbs. UPS  
**Misc:** Gauge-Pressure Relief Valve, Goggles



### Blasting Materials

Part No.	Description
5002	60/100 Grit Glass Beads - Pail 50 lbs.
5006	240 Grit White Aluminum Oxide - Pail 50 lbs.
5007	80 Grit Brown Aluminum Oxide - Pail 50 lbs.
5008	55 Grit Blasting Garnet - 2 - Pails 50 lbs. ea.
5009	40/60 Grit Glass Beads - Pail 50 lbs.
5010	100/170 Grit Glass Beads - Pail 50 lbs.
5011	170/325 Grit Glass Beads-Pail 50 lbs.
5012	40/70 Grit (G-4) Crushed Glass - Pail 50 lbs.
5013	50/80 Grit (M-1) Aluminum Oxide-Glass Mix - Pail 50 lbs.
5014	80/100 Grit (M-5) Aluminum Oxide - Glass Mix - Pail 50 lbs.
5015	20-30 Grit Walnut Shells - Box 50 lbs.

### PT-100 Portable Pressure Blaster

**Sand Capacity:** 100 lbs.  
**Tank Diameter:** 12"  
**Tank Height:** 23"  
**Overall Height:** 29"  
**Hose:** 10'-1/2" ID Hose  
**Nozzle:** 1/8" Ceramic  
**Air Requirements:** 23 CFM @ 100 PSI  
**Weight:** 69 lbs. UPS  
**Misc:** Gauge-Pressure Relief Valve, Goggles



**Power Tools**

**Desoutter®**

**Desoutter**

**TORQUE SCREWDRIVERS & MEASUREMENT EQUIPMENT**

**Dial Indicating Torque Wrenches**  
for measuring + tightening



Tool Type	Part No.	Torque Range		Increments		Output	Lgth.	Wt.	A	B
		(metric)	(imper.)	(metric)	(imper.)	(in sq)	(in)	(lbs)	(in)	(in)
TW-4	81962	0.3-4 Nm	3-35 lbf in	0.1 Nm	1 lbf in	1/4	10	1.1	0.4	2-1/8
TW-13	81972	0.5-13.5 Nm	4-120 lbf in	0.5 Nm	2 lbf in	3/8	10	1.1	0.4	2-9/32
TW-27	81982	1-27 Nm	1-20 lbf ft	1 Nm	0.5 lbf ft	3/8	10	1.1	0.4	2-9/32
TW-80	81992	6-80 Nm	5-60 lbf ft	2 Nm	1 lbf ft	1/2	18	3	0.8	3
TW-160	82002	10-160Nm	6-120 Nm	2.5 Nm	2 lbf ft	1/2	21	3	0.8	3

**Preset Torque Adjustable Screwdrivers**  
for tightening



Tool Type	Part No.	Torque Range		Increments		Output	Length	Wt.
		(metric)	(imperial)	(metric)	(imperial)		(in)	(lbs)
AS-120	81892	10-120 cNm	-	1 cNm	-	-	6-5/8	0.4
AS-6001	81922	1-6 Nm	-	0.1 Nm	-	-	7-1/4	0.75
AS-9001	81942	4-9 Nm	-	0.1 Nm	-	1/4"	7-1/4	0.75
AS-07	81802	-	10-120 ozf in	-	1 ozf in	fem.	6-5/8	0.4
AS-501	81932	-	5-50 lbf in	-	1 lbf in	hex	7-1/4	0.75
AS-801	81952	-	40-80 lbf in	-	1 lbf in	-	7-1/4	0.75

**Dial Indicating Torque Screwdrivers**  
for measuring + tightening



Tool Type	Part No.	Torque Range		Increments		Output	Length	Wt.
		(metric)	(imperial)	(metric)	(imperial)		(in)	(lbs)
TS-050	81852	0-50 cNm	0-70 ozf in	2 cNm	5 ozf in	-	7	0.4
TS-100	81862	0-100 cNm	0-140 ozf in	5 cNm	10 ozf in	1/4"	7	0.4
TS-250*	81872	0-250 cNm	0-20 lbf in	10 cNm	1 lbf in	fem.	10	1.1
TS-500*	81882	0-500 cNm	0-40 lbf in	20 cNm	2 lbf in	hex	10	1.1

\*Supplied with "T" bar

**TMP220 Bench Top Torque Meter**

Suitable for ratchet tools and shut off tools up to 10Nm (100 inf lbs)

- Switchable for first peak, max. peak and continuous monitoring
- Accuracy  $\pm 0.5\%$  of full scale
- Switchable metric or imperial torque readout
- RS232 output for data recording by computer
- Lightweight and compact, supplied with charger
- Joint simulator kit supplied - part no. 54392
- To order spare charger 120v - Part No. (USA) 345623, (Europe) 345613, 240v (UK) 345603



Torque Range Scale	NiCad Batteries	Approx. Battery Life (hrs)	Charging Time (hrs)	Wt. (lb)	Dim. (in)
0-1Nm/0-10Nm	4 x 1.2v	8	10	7.0	11-1/2 x 7-5/8 x 5-5/16

**DTM201 Torque Meter**

Suitable for ratchet tools and shut off tools up to 74 lbf ft



- Charger Part No: 115v (USA) #92052, 230v (Europe) #92042, 230v (UK) #107482

Torque Range Scale	NiCad Batteries	Approx. Battery Life (hrs)	Charging Time (hrs)	Wt. (lb)	Dim. (in)
0-1Nm/0-10Nm	4 x 1.2v	8	10	7.0	11-1/2 x 7-5/8 x 5-5/16

**Transducers**

- Rotary transducers for measuring peak dynamic torque, when placed between tool drive and workpiece.
- Static strain gauged transducers to verify output performance (including impact wrenches).
- Cable from meter to transducer 6 ft long - part no 92062 - order separately

Rotary Transducers			Static Transducers			
Torque Range	Torque Range	Torque Range	Output	Part No.	Output	Part No.
0-10 Nm	0-7.4 lbf ft	0-88 lbf in	3/8" sq	92072	3/8" sq	92102
0-50 Nm	0-37 lbf ft	0-444 lbf in	3/8" sq	92082	3/8" sq	92122
0-100 Nm	0-74 lbf ft	0-888 lbf in	1/2" sq	92092	1/2" sq	92132

**BALANCERS**

**Spring Suspension Balancers**

Tool Type	Part No.	Capacity (lbs)		Cable Travel (yds)	Wt. (lbs)	Over All Length (in)
		Min.	Max.			
1DU	52542	0	1.1	1.64	1.3	9.1
2DU	50522	1.1	2.2	1.64	1.3	9.1
3DU	52862	1.1	3.1	1.6	1.3	9.1
4DU	50532	2.2	4.4	1.64	1.3	9.1
5DU	50542	3.1	5.3	1.64	1.3	9.1
10D	50052	4.4	11.0	2.62	6.0	14.5
15D	50062	11.0	15.4	2.62	7.1	14.5
22D	50072	13.2	22.0	2.62	7.1	14.5

Support chain fitted as standard



**Hose Reel Suspension Balancers**

Tool Type	Part No.	Capacity (lbs)		Flow Rate (scfm)	Hose Travel (yds)	Wt. (lbs)	Length (in)
		Min.	Max.				
1HU	52552	0	1.1	15.0	1.64	2.6	6.8
3HU	50552	1.1	3.1	15.0	1.37	2.6	6.8
4HU	50562	1.5	4.4	15.0	1.37	3.1	6.8
4HI	51722	1.5	4.4	19.7	1.09	3.1	6.8

Support chain fitted as standard

Pistol grip hose reel balancer conversion kit  
3HU and 4HU Balancers - Part No. 107403  
4HI Balancer - Part No. 115193





## Desoutter®/ DeWalt®

### Spring Suspension Self-Lock Balancers

Tool Type	Part No.	Capacity (lbs)		Cable Travel (yds)	Wt. (lbs)	Length (in)
		Min.	Max.			
10S	50572	4.4	11.0	2.62	6.0	14.5
15S	50582	11.0	15.4	2.62	7.1	14.5
22S	50592	13.2	22.0	2.62	7.1	14.5

Support chain fitted as standard



### TECHNICAL TABLES

#### Torque Conversions

Decinewton Meters/ Pound Force Inches			Centinewton Meters/ Ounce Force Inches			Newton Meters/ Pound Force Inches			Newton Meters/ Pound Force Feet		
dNm	lbf in		cNm	ozf in		Nm	lbf in		Nm	lbf ft	
1.13	1	0.885	0.706	1	1.416	0.113	1	8.851	1.35582	1	0.73756
2.26	2	1.77	1.41	2	2.83	0.23	2	17.70	2.71	2	1.48
3.39	3	2.66	2.12	3	4.25	0.34	3	26.55	4.07	3	2.21
4.52	4	3.54	2.82	4	5.66	0.45	4	35.04	5.42	4	2.95
5.65	5	4.42	3.53	5	7.08	0.57	5	44.25	6.78	5	3.69
6.78	6	5.31	4.24	6	8.49	0.69	6	53.10	8.13	6	4.43
7.91	7	6.20	4.94	7	9.91	0.79	7	61.95	9.49	7	5.16
9.04	8	7.08	5.65	8	11.33	0.90	8	70.81	10.85	8	5.90
10.17	9	7.97	6.35	9	12.74	1.02	9	79.66	12.20	9	6.64
11.30	10	8.85	7.06	10	14.16	1.13	10	88.51	13.56	10	7.38
12.43	11	9.74	7.77	11	15.58	1.24	11	97.36	14.91	11	8.11
13.56	12	10.62	8.47	12	16.99	1.36	12	106.21	16.27	12	8.85
14.69	13	11.51	9.18	13	18.41	1.47	13	115.06	17.63	13	9.56
15.82	14	12.39	9.88	14	19.82	1.58	14	123.91	18.96	14	10.33
16.95	15	13.28	10.59	15	21.24	1.70	15	132.76	20.34	15	11.06
18.08	16	14.16	11.30	16	22.66	1.81	16	141.61	21.69	16	11.80
19.21	17	15.05	12.00	17	24.07	1.92	17	150.46	23.05	17	12.54
20.34	18	15.93	12.71	18	25.49	2.03	18	159.31	24.41	18	13.28
21.47	19	16.82	13.41	19	26.90	2.15	19	168.16	25.76	19	14.01
22.60	20	17.70	14.12	20	28.32	2.26	20	177.01	27.12	20	14.75

#### Air Consumption

Litres Per Second/ Cubic Feet Minute		
l/s		scfm
0.47195	1	2.11888
0.94	2	4.24
1.42	3	6.36
1.89	4	8.48
2.36	5	10.59
2.83	6	12.71
3.30	7	14.83
3.78	8	16.95
4.24	9	19.07
4.72	10	21.19

#### Air Pressure

Bar/ Pounds Inch <sup>2</sup>		
bar		psi
0.0689476	1	14.504
0.14	2	29.01
0.21	3	43.51
0.28	4	58.02
0.34	5	75.52
0.41	6	87.02
0.48	7	101.53
0.55	8	116.03
0.62	9	130.53
0.69	10	145.04

#### Power

Kilowatts/ Horse Power		
kW		hp
0.075	0.1	.13
0.149	0.2	.26
0.224	0.3	.40
0.298	0.4	.54
0.373	0.5	.67
0.448	0.6	.80
0.522	0.7	.94
0.597	0.8	1.07
0.671	0.9	1.20
0.746	1.0	1.34

### DeWalt® Cordless Tools

#### 24V CORDLESS

#### 20V MAX Lithium Ion Premium 3-Speed Drill/Driver Kit

DCD980L2



- Lithium ion batteries offer longer tool runtime & enhanced durability
- 3-speed all-metal transmission matches the tool to task for fastest application speed and improved run time
- Heavy-duty 1/2" metal ratcheting chuck with carbide inserts provides superior bit gripping strength
- LED light with 20 second delay after trigger release
- Motor delivers 535 unit watts out of max power for superior performance in all drilling and fastening applications

Model No.	Volts	No Load Speed (rpm)	Tool Length (in)	Tool Weight (lbs)
DCD980L2	20V	0-2,000	9-3/8	5.2

#### 20V MAX\* Lithium Ion Premium 3-Speed Hammerdrill Kit

DCD985L2



- Lithium ion batteries offer longer tool runtime & enhanced durability
- 3-speed all-metal transmission matches the tool to task for fastest application speed and improved run time
- Heavy-duty 1/2" metal ratcheting chuck with carbide inserts provides superior bit gripping strength
- LED light with 20 second delay after trigger release
- High power, high efficiency motor delivers 535 unit watts out of max power for superior performance in all drilling and fastening applications

Model No.	Volts	No Load Speed (rpm)	Blows/Min. (bpm)	Tool Wt. (lbs)
DCD985L2	20	0-2,000	0-34,000	5.2

#### 20V MAX Lithium Ion 1/4" Impact Driver Kit

DCF885L2



- Compact (5.55" front to back), lightweight (3.4 lbs) design fits into tight areas
- Three (3) LED lights with 20 second delay after trigger release, provide visibility without shadows
- One-handed loading 1/4" hex chuck accepts 1" bit tips
- Belt hook included for portability

Model No.	Volt	No Load Speed (rpm)	Impacts/Min	Tool Length (in)	Tool Wt. (lbs)
DCF885L2	20	0-2,800	0-3,200	5.55	3.4

**Power Tools**

**DEWALT®**

**20V MAX Lithium Ion Hammerdrill / Impact Driver Combo Kit**  
DCK290L2

- DCD985 20V MAX hammerdrill with patented 3-speed all-metal transmission and 1/2" all metal ratcheting chuck delivers 535 units watts out of maximum performance, faster application speed, and superior bit retention
- DCF885 20V MAX 1/4" impact driver features 3 LED lights with 20 second delay to provide visibility without shadows



Model No.	Volts	Tool Wt. (lbs)
DCK290L2	20	13.1

**18V CORDLESS**

**1/2" 18V Cordless XRP™ Drill/Driver Kit**  
DCD940KX

- XRP™ extended run-time batteries provide long run-time and battery life
- Patented 3-speed all-metal transmission matches the tool to task for fastest application speed and improved run time
- Heavy-duty 1/2" ratcheting chuck helps prevent bits from slipping and falling out
- LED worklight provides increased visibility in confined spaces
- High power, high efficiency motor delivers 450 unit watts out of max power for superior performance in all drilling and fastening applications
- Best in class length for improved balance and better control



Model No.	Volts	No Load Speed (rpm)	Tool Wt. (lbs)
DW995K-2	18	0-2,000	5.6

**1/2" (13mm) 18V Cordless XRP™ Hammerdrill/Drill/Driver Kit**  
DCD950KX

- XRP™ extended run-time batteries provide long run-time and battery life
- Patented 3-speed all-metal transmission matches the tool to task for fastest application speed and improved run time
- Heavy-duty 1/2" metal ratcheting chuck with carbide inserts provides superior bit gripping strength
- LED worklight provides increased visibility in confined spaces
- High power, high efficiency motor delivers 450 unit watts out of max power for superior performance in all drilling and fastening applications
- Best in class length for improved balance and better control



Model No.	Volts	No Load Speed (rpm)	Blows/Min. (bpm)	Tool Wt. (lbs)
DW997K-2	18	0-2,000	0-3,400	5.6

**Heavy-Duty 18V 5-3/8" Trim Saw Kit**  
DW936K

- Cuts 2X materials in a single pass.
- Left side blade provides maximum visibility.
- Replaceable brushes for longer motor life.
- DeWalt-built high-performance motor w/ fan cooling delivers maximum power and durability



**DW936K includes:** DW9116 charger, DW9096 XR+™ PACK battery, 5-3/8" 16-tooth carbide saw blade, blade wrench, kit box.  
**DW936 includes:** blade & wrench.

Model No.	Volts	No Load Speed (RPM)	Arbor Size (mm)	Blade Dia. (in)	Max. Depth of Cut @ 90°	Ft/Min. (1/2" plywood) (ft)	Bevel Cap. (degrees)	Spindle Lock	Tool Wt. (lbs)
DW936K	18	0-3,200	10	5-3/8	1-1/2	35	50	yes	7.5

**18V Cordless Reciprocating Saw Kit**  
DC385K

- 1-1/8" stroke length for faster cutting speed
- 0-3,000 spm for faster cutting speed
- 4-position blade clamp allows for flush cutting and increased versatility
- Keyless lever-action blade clamp for quick and easy blade changes
- Pivoting adjustable shoe with open top for maximum visibility
- Anti-slip comfort grip provides increased comfort and control
- Variable speed with trigger lock for increased blade control
- XRP™ extended run-time batteries provide long run-time and battery life



Model No.	Volts	Strokes Min. (spm)	Stroke Length (in)	Electric Brake	Keyless Blade Clamp	Tool Wt. (lbs)
DC385K	18	0-3,000	1-1/8	Yes	Yes	8.2

**14.4V CORDLESS**

**1/2" 14.4V Cordless XRP™ Drill/Driver Kit**  
DCD920KX

- XRP™ extended run-time batteries provide long run-time and battery life
- Patented 3-speed all-metal transmission matches the tool to task for fastest application speed and improved run time
- Heavy-duty 1/2" ratcheting chuck helps prevent bits from slipping and falling out
- LED worklight provides increased visibility in confined spaces
- High power, high efficiency motor delivers 325 unit watts out of max power for superior performance in all drilling and fastening applications
- Best in class length for improved balance and better control



Model No.	Voltage	No Load Speed (rpm)	Tool Wt. (lbs)
DCD920KX	14.4V	0-1,800	5.75

## DEWALT®

### 1/2" 14.4V Cordless XRP™ Hammerdrill/ Drill/ Driver Kit DCD930KX

- XRP™ extended run-time batteries provide long run-time and battery life
- Patented 3-speed all-metal transmission matches the tool to task for fastest application speed and improved run time
- Heavy-duty 1/2" metal ratcheting chuck with carbide inserts provides superior bit gripping strength
- LED worklight provides increased visibility in confined spaces
- Motor delivers 325 unit watts out of max power for superior performance in all drilling and fastening applications



Model No.	Volts	Max. Speed (RPM)	Blows/Min. (BPM)	Tool. Wt. (lbs)
DCD930KX	14.4	0-1,800	0-30,600	5.75

### 12V CORDLESS

#### 12-Volt XRP Drill/Driver DC940KA

- DEWALT-built high torque, high efficiency motor delivers maximum performance in all drilling and fastening applications
- XRP extended run-time batteries provide long run-time and battery life
- Patented 3-speed all-metal transmission matches the speed to the application for optimal performance
- Heavy-duty 1/2-inch ratcheting chuck helps prevent bits from slipping and falling out
- Superior ergonomics optimize balance, size, and weight



Cat. No.	Volts	No Load Speed (RPM)	Tool Length (in)	Tool Wt. (lbs)
DC940KA	12	0-1,800	15	12

#### Heavy-Duty 12V Drywall/Deck Screwdriver Kit DW979K

- Depth sensitive "set and forget" nosepiece for consistent fastener depth
- DeWalt-Built high-performance motor with fan cooling delivers maximum power and durability.

**Includes:** DW9106 charger, 2 DW9071 XR PACK® batteries, bit tip magnetic holder, drywall and TEKS® nosepieces, kit box



Cat. No.	Volts	No Load Speed (RPM)	Tool Wt. (lbs)
DW979K	12V	0-800/0-2,300	4.2

#### Worksite Charger/Radio DC012

- 1 hour charger for 7.2V to 18V DEWALT battery packs (except Univolt®)
- Runs off of 7.2V to 18V DEWALT batteries making it a cordless radio
- The DEWALT 3 - stage charging system provides maximum run-time and extends overall life of the battery
- Power outlets offer more versatility for jobsite power
- AM/FM Digital Tuner with LCD display, built-in clock, and 15 station memory presets
- High efficiency weather resistant speakers with dual bass ports for maximum bass and range
- Auxiliary port allows connection to CD Players, MP3 Players, and portable satellite receivers with an audio cable (cable not included)
- Dual pivoting 11" flexible antenna provides more durability and better reception



### DeWalt Electric Tools

#### DRILLS:

#### Heavy-Duty 1/2" VSR Drill

DW235G/DW235-220

- Helical-cut steel, heat-treated gears for increased durability and long gear life
- Metal gear housing for increased durability
- Two-finger, rubber trigger for increased comfort
- 360° side handle for greater control



DW235-220 is 220V

Model No.	Amps	No load speed (rpm)	Chuck (in)	Spindle lock	Gear reduction (lbs)	Tool Wt. (lbs)
DW235G	7.8	0-850	1/2	N/A	Double	4.2



**Power Tools**

**DEWALT®**

**3/8" VSR Pistol Grip Drill Kit with Keyless Chuck**

DWD110K

- Amp motor delivers high performance in heavy-duty applications
- Ratcheting keyless chuck for greater bit retention
- VSR trigger for versatility in drilling and fastening applications
- Soft grip handle design offers increased gripping surface and comfort
- All ball-bearing construction provides greater durability and longer tool life



Model No.	Amps	No Load Speed (rpm)	Chuck (in)	Gear Reduction	Tool Wt. (lbs)
DW106	8	0-2,500	3/8	Single	4.1

**3/8" VSR Drill**

D21002

- All ball-bearing construction provides greater durability and longer tool life
- Contoured textured handle provides better gripping surface and reduces user fatigue
- Glass-filled nylon housing is durable, impact resistant and provides lower maintenance cost



Model No.	Amps	No Load Speed (rpm)	Chuck (in)	Gear Reduction	Tool Wt. (lbs)
D21002	6	0-2,500	3/8	Single	3.2

**1/2" Spade Handle Drill**

DW130V

- Variable speed reversible switch reduces air bubbles when mixing mud and offers greater control when drilling
- 0-550 RPM provides increased torque
- 120V motor provides enough power for any job site application
- Soft grip handle for increased comfort
- 2-position rear spade handle and 3-position side handle gives greater control for all drilling and mixing applications



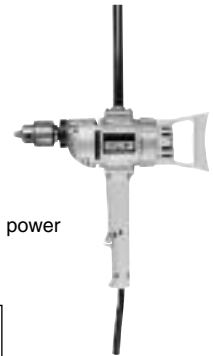
Cat. No.	AMPS	No Load Speed (rpm)	Chuck (in)	Gear Reduction	Tool Wt. (lbs)
DW130V	9.0	0-550	1/2	Triple	7.5



**Heavy-Duty 3/4" & 5/8" Drill/Power Unit**

DW138/DW139

- Rotating brush ring for full power in forward and reverse
- No. 3 Jacobs® taper chuck mount with key drive for the highest reliability
- Ideal for driving speed reducers, light hoists and power heads



DW138 also available in 220V

Model No.	Amps 120 AC/DC	No Load Speed (rpm)	Chuck (in)	Gear Reduction	Tool Wt. (lbs)
DW139	10.0	450	5/8	Triple	17.3

**Heavy-Duty 3/8" & 1/4" Right Angle Drills**

DW160

- 100% ball-bearing construction
- Compact right-angle design for easy access in tight places
- Paddle switch for easier grip in limited access positions



Model No.	Amps 120 AC/DC	No Load Speed (rpm)	Chuck (in)	Gear Reduction	Tool Wt. (lbs)
DW160	3.2	1,200	3/8	Single	3.75

**Heavy-Duty 1/2" Joist & Stud Drill**

DW124/DW124K

- 100% ball-bearing construction
- Mechanical-slip clutch in low gear to prevent bit lock-up
- Adjustable 2-position side handle for greater control



DW124K includes: ball handle, side handle, chuck and key holder and kit box

Model No.	Amps	No Load Speed (rpm)	Chuck (in)	Gear Reduction	Tool Wt. (lbs)
DW124	8.0	300/1200	1/2	Triple	13.5
DW124K	11.5	300/1200	1/2	Triple	13.5

**FASTENING:**

**Heavy-Duty VSR Drywall Screwdriver**

DW252/DW252W

- Depth-sensitive "set and forget" nosepiece for consistent fastener depth
- Two-finger, rubber trigger for increased comfort
- Fastens drywall to wood and light gauge metal studs
- Frames light gauge studs to track (without nosepiece)

DW252 includes: 50' twist lock plug



Model No.	Amps	No Load Speed (rpm)	Std. Clutch	Max. Fastener Size	Tool Wt. (lbs)
DW252	6.0	0-4,000 rpm	Yes	#8	2.8



## DeWalt®

### Heavy-Duty VSR Drywall Screwdriver

DW255

- Depth sensitive "set and forget" nosepiece for consistent fastener depth
- Two-finger, rubber trigger for increased comfort
- Fastens drywall to wood and light gauge metal studs
- Frames light gauge studs to track (without nosepiece)



Model No.	Amps	No Load Speed (rpm)	Std. Clutch	Max. Fastener Size	Tool Wt. (lbs)
DW255	6.0	0-5,300	Yes	#8	2.9

### 2,500 rpm VSR Depth-Sensitive TEKS® Scrugun

DW266

- Helical-cut steel, heat-treated steel gears for long life and durability
- Metal gear housing for jobsite durability and increased reliability
- Depth-sensitive, "set and forget" nosepiece for consistent fastener depth
- Rubber grip and two-finger trigger for increased comfort and greater control



Model No.	Amps	No Load Speed (rpm)	Std. Clutch	Max. Fastener Size	Tool Wt. (lbs)
DW266	6.5	0-2,500	Yes	#14	3.5

### 1/2" Impact Wrench with Detent Pin Anvil

DW292

- 345 ft-lbs of deliverable torque in forward and reverse
- 1/2" detent pin anvil
- AC/DC forward/reverse rocking switch
- Soft grip handle for increased comfort
- Ball bearing construction for increased durability



Model No.	Amps 120V AC/DC	Max. Torque (ft/lbs)	Impacts/Min. (bpm)	No Load Speed (rpm)	Tool Length (in)	Tool Wt. (lbs)
DW292	7.5	345	2,700	2,100	11-1/4	7

### 3/4" Impact Wrench

DW297

- Easy forward or reverse, can run on AC or DC current
- Ball bearing construction for increased durability
- High torque level for heavy-duty fastening applications
- Externally replaceable brushes allow for quick repairs on the jobsite



Model No.	Amps 120V AC/DC	Max. Torque (ft/lbs)	Impacts/Min. (bpm)	No Load Speed (rpm)	Tool Length (in)	Tool Wt. (lbs)
DW297	7.5	434	1,800	1,600	13	11

### CONCRETE & MASONRY:

#### Heavy-Duty 1/2" VSR Hammerdrill

DW505K/DW505

- High power motor for greater durability
- Dual mode: Hammerdrill/drill for wood, steel or masonry applications
- Lightweight design for less user fatigue
- Two-finger, rubber trigger for increased comfort



DW505K includes side handle, depth rod, kit box

Model No.	Amps 120V	Max. Watts Out	No Load Speed (rpm)	Blows/Min. (bpm)	Cap. (in)		Tool Length (in)	Tool Wt. (lbs)
					Steel	Wood		
DW505K	7.2	650W	0-1,100/	0-19,000/	1/2	1-1/2	13	4.8
DW505	7.8	650W	0-2,700	0-46,000	1/2	1-1/2	13	4.8

#### 1" D-Handle Three Mode SDS Hammer

D25213K

- 2.5 ft-lbs of impact energy provide fast drilling and powerful chipping
- Reverse feature assists in the removal of fasteners
- Variable speed allows for precise hole placement on work surface
- Factory-set clutch reduces sudden, high torque reactions if bit jams
- 360° side handle adjusts easily for preference or use in tight spaces



Model No.	Amps 120V	No Load Speed (rpm)	Tool Length (in)	Tool Wt. (lbs)
D25213K	8	0-1,150	16.6	6.1

#### 1" D-Handle SDS Rotary Hammer Kit

D25223K

- Variable speed trigger allows user to instantly control speed from 0 to dialed setting
- Active Vibration Control® reduces vibration up to 50%
- Mode selector allows for usage in rotary hammer, rotary only, and chiseling applications
- Reversing feature helps release tool from bind up situations, and assists with removal of fasteners
- Integral clutch reduces sudden, high torque reactions if bit jams
- 360° side handle adjusts easily for preference or use in tight spaces



Model No.	Amps 120V	Max. Watts Out	No Load Speed (rpm)	Impact Energy (ft/lbs)	Tool Lgth. (in)	Tool Wt. (lbs)
D25223K	8		0-1,150	2.5	17.7	7

**Power Tools**

**DeWalt®**

**1-3/4" SDS Max  
Combination Hammer Kit  
with SHOCKS® & CTC®**

D25602K

- Motor provides high performance & overload protection
- Active Vibration Control® reduces vibration up to 50% while increasing user comfort and productivity
- Complete Torque Control (CTC)® - Patented 2-Stage clutch provides maximum control in bind up situations
- Rear handle mount increases user comfort in down-drilling applications
- Trigger lock-on reduces user fatigue while chipping



Model No.	D25602K
Amps 120V	13.5
No Load Speed (rpm)	210-415
Impact Energy (ft/lbs)	9.5
Optimal Cap. (in)	1/2 - 1-3/8
Tool Length (in)	18.6
Tool Weight (lbs)	15.1



**1-1/8" SDS Hammer Kit  
D25404K**

- Motor provides high performance and overload protection
- Hard-hitting hammer mechanism for fast and efficient penetration
- Fully sealed gearbox is engineered for long life by keeping grease in and dust out
- Accepts SDS bits from 5/32" to 1-1/8"
- Higher drilling capacity than compact drilling hammers for increased productivity in 1/2" & larger applications
- Less weight than large drilling hammers reduces user fatigue in 5/8" & smaller applications
- Chipping (Hammer-only) mode allows user to perform light chipping applications, such as removal of mortar splatter
- Rotation-only mode for wood and metal drilling



Model No.	Amps 120V	No Load Speed (rpm)	Impact Energy (ft/lbs)	Tool Length (in)	Tool Wt. (lbs)
D25404K	8.3	0-730	3.34	15.25	10.75

**SDS Max Demolition  
Hammer with  
SHOCKS®**

D25901K

- Motor provides high performance and overload protection
- Active Vibration Control® reduces vibration resulting in less user fatigue and more productivity
- Non-air pumping beatpiece eliminates masonry dust from entering the unit extending tool and seal life
- Variable impact control dial ensures accurate impact energy
- One-step chisel rotation allows the user to quickly and accurately adjust the chisel, not the tool
- Variable position side handle allows 360° rotation and 150° adjustment
- SDS max tool holder with rubber dampers absorbs energy providing longer life



Model No.	Amps 120V	Max. Watts Out	Loaded Speed (bpm)	Impact Energy (ft/lbs)	Tool Length (in)	Tool Wt. (lbs)
D25901K	14	750W	1,020-2,040	3.7-18.5	26.8	21.6

**MACHINERY:**

**12" Double-Bevel Sliding  
Compound Miter Saw**

DW718

- Motor delivers extended power and durability
- Adjustable stainless steel miter detent plate with 10 positive stops improves productivity and ensures cutting accuracy
- Precise miter system and machined base fence support optimize cutting accuracy
- Tall sliding fences support crown molding up to 6-5/8" nested and base molding up to 6-1/2" vertically against the fence while easily sliding out of the way for bevel cuts
- Single lever action double bevel design easily bevels left and right 0° - 48° with positive stops at 0°, 22.5°, 33.9° and 45° in both directions permitting user to flip the saw and not the material
- Exclusive back fence design cuts up to 2x16 dimensional lumber at 90° and 2x12 at 45°
- Miters 60° to the left and 50° to the right provides increased capacity
- Dual horizontal steel rails with innovative clamping mechanism and linear ball bearings deliver an accurate, durable and compact saw
- Cam lock miter handle with detent override deliver quick and accurate miter angles



Model No.	Amps 120V AC Only	No Load Speed (rpm)	Blade Dia. (in)	Round Arbor Dia. (in)	Tool Wt. (lbs)	Ship. Wt. (lbs)
DW718	15	3,600	12	5/8 or 1	53	57

## DeWalt®

### SAWS:

#### 12.0 Amp Reciprocating Saw Kit

DW310K

- Motor delivers increased power for heavy-duty applications
- 0-2,700 SPM and 1-1/8" stroke length for fast and efficient cutting
- Keyless stainless steel blade clamp for quick and easy blade changes and increased reliability
- Keyless adjustable shoe easily adjusts depth of cut and extends blade life
- Variable speed trigger allows user to instantly control speed



Model No.	Amps	Stroke/Min.	Stroke Length (in)	Tool Wt. (lbs)	Tool Length (in)
DW303K	12	0-2,700	1-1/8	8.6	18

#### Heavy-Duty 7-1/4" Circular Saw with Electric Brake

DW364K

- Rear pivot depth of cut adjustment allows your hand to remain behind the tool at minimum depth of cut
  - Powerful 15 Amp/2,075 Watts motor made for long life and difficult applications
  - Heavy-gauge, high-strength aluminum alloy shoe
- DW364K Includes** 20-tooth carbide blade, wrench, and kit box  
**DW364 Includes** 20-tooth carbide blade and wrench



Model No.	AMPS	Max. Watts Out	No Load Speed (rpm)	Spindle Lock	Electric Brake	Bevel Cap.	Tool Wt. (lbs)
DW364K	15.0	2,075W	5,800	yes	yes	50°	12.3

#### 7-1/4" Lightweight Circular Saw

DW368

- 9.5 lb. lightweight tool designed to reduce user fatigue and increase productivity
- 15 Amp, 2,200 MWO motor powerful enough for the toughest applications
- 56° beveling capacity with stops at 45° and 22.5° allows for aggressive bevel cuts while allowing user to locate common angles quickly
- Magnesium shoe designed for increased durability
- Clear line of sight aids in blade visibility from any angle
- Lower guard design improves performance when making bevel cuts and cutting shims



Model No.	AMPS	Max. Watts Out	No Load Speed (rpm)	Bevel Cap.	Tool Wt. (lbs)
DW368	15	2,200W	5,800	56°	9.5

#### 8-1/4" Circular Saw with Rear Pivot Depth of Cut Adjustment and Electric Brake

DW384

- Rear pivot depth of cut adjustment allows your hand to remain behind the tool at all depth of cuts
- High-torque motor for increased productivity
- Heavy-gauge, high-strength aluminum alloy base for increased durability on worksite
- Electric brake stops blade after use



Model No.	AMPS	Max. Watts Out	No Load Speed (rpm)	Bevel Cap.	Tool Wt. (lbs)
DW384	15	2,075W	5,800	50°	12.75

#### Variable Speed Top-Handle Jig Saw Kit

DW331K

- Motor delivers the cutting power for the most demanding materials
- Keyless lever-action blade clamp for quick and easy blade changes
- All-metal gear case and keyless blade lever enhance tool durability in a professional shop environment
- 4-position orbital action allows for faster, more aggressive cuts
- Positive bevel detents ensure accuracy at the most common angles 0°, 15°, 30°, and 45°
- Counter-balance mechanism reduces vibration and user fatigue
- Extra-large rubber grip dampens vibration and provides comfort during prolonged use
- Integrated dust blower maintains visibility of cut line
- Non-marring plastic shoe cover protects soft or glossy materials from scratches from the shoe
- Accepts only T-shank blades for optimal holding power



Model No.	Amps	Strokes/Per.Min.	Stroke Length (in)	Tool Wt. (lbs)
DW331K	6.5	500-3,100	1	6.4





**Power Tools**

**DeWalt®**

**METALWORKING:**

**4-1/2" Small Angle Grinder**

**D28402**

- Motor designed for faster material removal and higher overload protection
- Dust Ejection System™ provides durability by ejecting damaging dust and debris particles that enter the tool through the air intake vents
- Low profile, jam-pot gear case provides precise gear alignment for a smoother, quieter transmission while allowing access to tight spaces
- One-piece brush arm prevents brush hang-up due to dust ingestion
- Vibration-reducing side handle increases comfort for extended use applications
- Auto-off brushes shut the tool down when the brushes need replacing to avoid tool damage
- Oversized, protected spindle lock button provides easier and quicker wheel changes
- Paddle switch with safety lock-off prevents accidental start up



Model No.	Amps 120V AC/DC	No Load Speed (rpm)	Spindle Thread	Tool Wt. (lbs)
D28402	10	11,000	5/8-11	4.6

**7" Large Angle Grinder**

**D28494S**

- Motor with overload protection provides higher operating speeds under load
- Epoxy coated field and armature provide long service life against abrasion from airborne debris
- Automatic turn-off brushes shut down the tool when brushes need to be changed to avoid tool damage
- 5 position side handle provides improved ergonomics for specific applications
- Lightweight design increases productivity in extended use applications



Model No.	Amps 120V AC/DC	No Load Speed (rpm)	Spindle Lock	Spindle Thread	Tool Wt. (lbs)
D28494S	15.0	6,000	yes	5/8"-11	13.15

**9" Large Angle Grinder**

**D28493N**

- Motor with overload protection provides higher operating speeds under load
- Epoxy coated field and armature provide long service life against abrasion from airborne debris
- Automatic turn-off brushes shut down the tool when brushes need to be changed to avoid tool damage
- 5 position side handle provides improved ergonomics for specific applications
- 2 wire double insulated 'S' jacket rubber cord provides increased durability and life in hot and cold climates
- Lightweight design increases productivity in extended use applications



Model No.	Amps 120V AC/DC	No Load Speed (rpm)	Spindle Thread	Tool Wt. (lbs)
D28493N	15.0	5,000	5/8"-11	13.6

**Heavy-Duty 1-1/2" Die Grinder**

**DW887**

- 120V AC/DC capacity works off welding machines and generators for increased productivity and versatility
- Convenient paddle switch with lock-on button for easy gripping

**Includes:** Two wrenches & 1/4" collet  
DW887 also available in 220V



Model No.	Amps 120V AC/DC	No Load Speed (rpm)	Max. Wheel Dia. (in)	Collet Size (in)	Tool Length (in)	Tool Wt. (lbs)
DW887	3.0	25,000	1.5	1/8, 1/4	13.0	3.25





## DeWalt®

### 6" High Performance Cut-Off/Grinder

D28144/ D28140

- Motor designed for faster material removal and higher overload protection
- Dual Clutch Protection™ prevents the gears from stripping and motor from burning up in a wheel pinch/stall increasing durability
- Dust Ejection System™ provides durability by ejecting damaging dust and debris particles that enter the tool through the air intake vents
- One-piece brush arm prevents brush hang-up due to dust ingestion
- E-Clutch® shuts the grinder off when a wheel pinch or wheel stall occurs, extending the life of the gears and motor
- Power-Off® Advanced Overload Protection shuts the tool off before it reaches overload or burn-up
- Power-Loss Reset® prevents accidental re-starts following a power disruption when the tool is left in the "on" position
- Vibration reducing 2-position side handle provides user comfort and reduces user felt vibration
- Auto-off brushes shut the tool down when the brushes need replacing to avoid tool damage
- Keyless adjustable guard provides tool-free guard adjustments, increasing productivity



Model No.	Amps 120V AC/DC	No Load Speed (rpm)	Spindle Thread	Tool Wt. (lbs)
D28144	13.0	9,000	5/8"-11	4.6
D28140	13	9,000	5/8"-11	4.6

### 14" Chop Saw w/ QUIK-CHANGE™ Keyless Blade Change System

D28715

- Motor provides more overload capacity, increasing performance and durability
- QUIK-CHANGE™ blade change system
- Exclusive QUIK-FENCE™ tool-free, 45° adjustable fence
- Quick-Lock Vise allows for fast clamping on different size materials
- Ergonomically designed "D" handle provides a more comfortable hand position
- Extra wide solid steel base provides increased stability when cutting longer material.
- Heavy-duty lock down pin allows head of the saw to be locked in the carrying position without the use of a chain
- Heavy-duty compression spring provides smooth movement and greater durability than torsion springs
- Spindle Lock allows user to make wheel changes quickly and easily, saving time and money
- Large cutting capacity provides the ability to cut a wide variety of materials
- Adjustable spark guard allows user to channel sparks
- Easily accessible brushes



Model No.	Amps 120V AC/DC	Output HP	No Load Speed (rpm)	Wheel Arbor (in)	Wheel Dia. (in)	Max. Cap. (in)		Tool Length (in)	Tool Wt. (lbs)
						Round	Rectangular		
D28715	15.0	5.5	4,000	1	14	5	4-1/2 x 6-1/2	21	39

### Pavement Breaker with Hammer Truck and Steel

D25980K

- 61 Ft-lbs impact energy provides maximum performance
- SHOCKS – Active Vibration Control® reduces vibration up to 70%, increasing user comfort and productivity
- 15 amp motor provides maximum power and overload protection
- Rubber coated handles provide greater comfort and control
- Electronic soft start increases productivity by reducing bit walking
- Hammer Truck provides easy transportation of pavement breaker



Model No.	Impact Energy (ft-lbs)	Amps	Loaded Speed (bpm)	Tool Wt. (lbs)
D25980K	61	15.0	900	68.3

### Deep Cut Variable Speed Porta-Band® Saw

DW328

- Powerful 6.0 Amp motor designed to withstand jobsite applications
- 4-3/4" deep cut capacity for round or rectangular stock
- Dual bearing blade guide rollers increase durability in the blade support system
- Speed control knob allows user to tailor the blade speed for various applications
- AC/DC switch allows use in both alternating and direct current
- Blade tracking adjustment increases blade life by providing better blade tracking



Model No.	Amps	Max Capacity (Round)	Max Capacity (Rectangular)	Tool Wt. (lbs)
DW328	6.0	4-3/4"	4-1/2" x 4-3/4"	14.0



**Power Tools**

**DeWalt®**

**18V Cordless Band Saw**

**DCS370K**

- 2-1/2" cut capacity cuts up to 2" SCH 40 pipe
- Superior balance and ergonomics allows for more accurate cuts and less user fatigue
- Integrated hang hook allows user to hang the saw without damaging the front handle or base
- Blade tracking adjustment increases blade life by providing better blade tracking
- Tool less blade changing lever loosens blade tension to allow for blade change
- Dual bearing blade guide rollers provides increased durability in the blade support system
- Ergonomic soft grip back handle provides comfort and flexibility



Model No.	Amps	Max Capacity (Round)	Max Capacity (Square)	Tool Wt. (lbs)
DCS370K	18.0	2-1/2"	2-1/2"	10.0

**12V MAX\* Infrared Thermometer Kit**

**DCT414S1**

- Non-contact temperature measurements (-20°F to 932°F) for ease of use over distance and accuracy
- LED hot (red) & cold (blue) indicator for visual and/or audio alarm for quickly locating trouble spots
- Data storage for recording max, min, and average temperatures
- Adjustable emissivity improves accuracy across a wide range of materials



Model No.	Voltage	Temperature Measurement Range	Shipping Wt. (lbs)
DCT414S1	12V	-20°F to 932° 29° C to 500°	4.8



**36V Cordless Li-Ion Jig Saw Kit**

**DC308K**

- Keyless lever-action blade clamp for quick and easy blade changes
- 1" stroke length & 0-2,700 spm with electric brake for improved control and versatility in different materials and applications
- All-metal keyless shoe bevel with detents at 0°, 15°, 30° and 45° provides versatility for easy bevel cutting
- 4-position orbital action provides control of aggressiveness of cut and speed
- Adjustable dust blower keeps line of cut clear of chips
- DEWALT® exclusive lithium ion cells offer long battery life & durability: 2,000 recharges
- Anti-slip comfort grip provides increased comfort and control



Model No.	Voltage	Strokes/Min	Stroke Length	Tool Wt. (lbs)
DC308K	36V	0-2,700	1"	7.5

**Deep Cut Band Saw Kit**

**DWM120K**

- Industry best 10 amp motor designed with controlled power to withstand any jobsite application
- Industry best 5" deep cut capacity for round or rectangular stock
- Serviceable steel shroud and rubber bumpers allow guards to withstand jobsite abuse without damage
- LED sight light allows the user to see cut line in dark jobsite environment
- Integrated hang hook allows user to hang the saw without damaging front handle or castings
- Variable speed dial allows user to vary speed for specific materials and various applications (100-350 spm)
- Multi-position adjustable large front handle offers the user plenty of hand space for a more accurate cut
- Superior balance and ergonomics allows for more accurate cuts and less user fatigue
- Blade tracking adjustment increases blade life by providing better blade tracking
- Dual bearing blade guide rollers increase durability in the blade support system
- Durable and adjustable material guide allows user to adjust for various jobsite materials
- Ergonomic soft grip back handle provides comfort during use
- Blade changing lever loosens blade tension to allow for blade change
- Externally replaceable brushes allow for quick repairs on the jobsite



Model No.	Amps	Ft/Min	Max Cap. (Round)	Max Cap. (Rectangular)	Tool Wt. (lbs)
DWM120K	10	100-350	5"	5" x 4-3/4"	15

## DeWalt®/ Everett

### 2 Gallon Cordless/Corded Wet/Dry Vac DC500

- Runs off of 12V-18V DEWALT battery packs or 120V AC
- Gore™ wet/dry filter traps 99.7% of drywall dust
- Wet/Dry Filter Eliminates Change Overs
- Washable filter; Tap or water rinse to clean
- Heavy-duty rubber hose provides durability and flexibility
- Drain port on tank for easy emptying of liquids
- On-board hose, cord and accessory storage provides convenient transport and storage



Model No.	Tank Size (gal)	Hose Diameter (in.)	Hose Length (ft)	Voltage (DC Operation)	Tool Wt. (lbs)
DC500	2	1-1/4"	5"	12-18V	9.7

### 18V Cordless Pivoting Head Flashlight DW908

- Wide-angle beam maximizes light over a specific work area
- Pivoting head rotates 90° which allows light to be projected in any direction
- Extra-bright Xenon bulb maximizes brightness of the beam
- Lightweight, compact design makes the flashlight durable and portable
- Battery sold separately



Model No.	Voltage	Run Time (Hrs)	Tool Wt. (lbs)
DW908	18	3	0.5

### 18V XRP™ Battery Pack DC9096

- High capacity XRP™ battery has 40% more run-time than standard batteries
- Powers entire DEWALT® line of 18V tools allowing users to run multiple tools off of the same battery pack

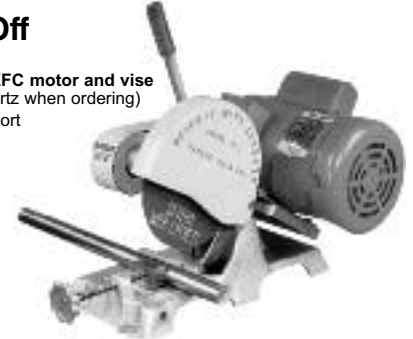


Model No.	Voltage	Shipping Wt. (lbs)
DC9096	18	2.6
DC9091	14.4	1.8

### Everett

#### 8" Abrasive Cut-Off

- 08002F** Complete with 3 H.P. TEFC motor and vise (specify voltage/phase/hertz when ordering)
- 089403** Adjustable outboard support
- 089100** Steel stand
- 089401** Work Length Gage
- 089501** Drip oiler
- 089504** 8" Hi-speed steel blade



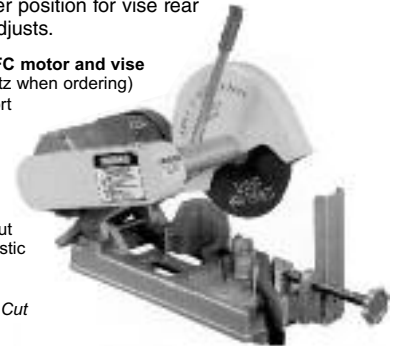
Use a steel blade to cut plastic, and with an oiler to cut aluminum, copper and nonferrous materials.

#### 10" Abrasive Mitering Cut-Off

##### 10" Mitering Cut-Off Saw

Mitering work back stop and vise jaw adjust to cut any miter up to 45°. Calibrated scale to locate proper position for vise rear fence. Vise jaw automatically adjusts.

- 10012F** Complete with 3 H.P. TEFC motor and vise (specify voltage/phase/hertz when ordering)
- 109403** Adjustable outboard support
- 109100** Steel stand
- 109501** Drip oiler (for cutting nonferrous materials)
- 109504** 10" high speed steel blade

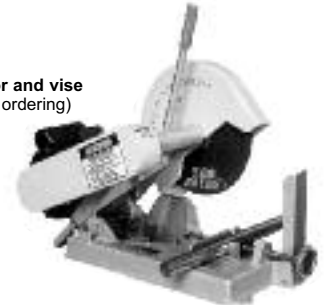


Use a 10" steel blade and oiler to cut copper, aluminum, DWV tubing, plastic and non-ferrous materials.

Use Server it with Everett Abrasive Cut Off Wheels for more cuts per dollar.

#### 10" Abrasive Cut-Off

- 10002F** Complete with 3 H.P. TEFC motor and vise (specify voltage/phase/hertz when ordering)
- 109403** Adjustable outboard support
- 109100** Steel stand
- 109401** Work Length Gage
- 109501** Drip oiler (for cutting nonferrous materials)
- 109504** 10" high speed steel blade



	8" Machine	10" Machine
<b>Wheel Capacity</b>	8" Wheel	10" Wheel
<b>Arbor Shaft</b>	1/2" Arbor	5/8" Arbor
<b>Drive</b>	Single Raw edge sure grip "V" belts with steel sheaves.	Dual
<b>Capacity</b>	1" solid 1-1/2" pipe	1-1/2" solid 2" pipe
	10" miter saw only most 1-3/4" shapes @ 45°	
<b>Motor</b>	3 H.P. special hi-torque motor. Totally-enclosed, fan-cooled. Single phase 120/230 volt or 3 phase 230/460 volt. Others available.	
<b>Spindle Bearings</b>	SPECIFY PHASE AND VOLTAGE WHEN ORDERING (see chart) Precision sealed ball bearings. Lubricated for life.	
<b>Safety Guards</b>	Cut-off wheel and guards exceed safety code requirements. Improved spark arrestors to deflect sparks.	
<b>Stop</b>	Adjustable down stop limits depth of chop stroke.	

Shipping Weight	8"	10"
Machines	3 phase 52 lbs. 1 phase 65 lbs.	3 phase 65 lbs. 1 phase 87 lbs.
10 Wheels	7 lbs.	9 lbs.

VOLTAGE CODES	
0 = 115/1/60	1 = 230/1/60
2 = 208/3/60	3 = 230/3/60
4 = 380/3/50	5 = 460/3/60
	7 = 575/3/60
Other Voltages Available Please Call for Info.	



**Power Tools**

**Everett**

**12" Abrasive Cut-Off**

SPECIFICATIONS:

**Wheel Capacity:** 12" Diameter

**Arbor Shaft:** 1 inch

**Motor:** Special hi-torque totally-enclosed fan-cooled 5 H.P. 1 or 3 phase.

**Starter:** Magnetic with thermal overload.

**Drive:** Positive timing belt.

**Spindle Bearings:** Heavy-duty sealed ball bearings. Lubricated for life.

**Capacity:** 1-3/4" solids. 3" pipe.

**Safety Guards:** Cut-Off wheel and belt guards exceed safety code requirements

**Vise:** "V" shaped to hold various shaped materials in best cutting position. Hold down chain foot pedal operated. **Air operation optional.**

OPTIONS:

**Patented Dust Collector and Fume Exhauster**

**Double Action Air Vise:** Holds both sides of cut. Opens to 4"

**Double Action Cam Lock Vise:** Holds both sides of cut. Opens to 3-1/2"

**Work Length Gage:** Automatically swings up out of the way when the part is cut.

**Hood Shipping Weight:** 165 lbs. 10 wheels, 14 lbs.

**12003F Complete with 5 H.P. TEFC motor, magnetic starter, steel stand, "V" shaped chain holddown vies,** (specify voltage/phase/hertz when ordering)

**129200** Cabinet base

**129201** Dust collector fume exhauster (includes cabinet base)

**129010** Hood (for use with cabinet base or dust collector)

**129403** Adjustable outboard support

**129401** 24" work length gage

**129502** Oil mist spray (for cutting nonferrous materials)

**129410** Air operated "V" shaped chain holddown vise

**129440** Double action cam lock vise

**129420** Double action air operated vise

EVERETT Abrasive cut-off wheels and machines are AMERICAN MADE and Proud of it!



Double action cam lock vise (optional)

VOLTAGE CODE			
Replace "F" in part number to indicate proper voltage/phase/hertz			
1 = 230/1/60	2 = 208/3/60		
3 = 230/3/60	4 = 380/3/50		
5 = 440/3/60	7 = 575/3/60		
Call for others			

**12" Abrasive - Mitering Cut-Off**

SPECIFICATIONS:

**Wheel Capacity:** 12" Diameter

**Arbor Shaft:** 1 inch

**Motor:** Special hi-torque totally-enclosed fan-cooled 5 H.P. 1 or 3 phase.

**Starter:** Magnetic with thermal overload.

**Drive:** Positive timing belt.

**Spindle Bearings:** Heavy-duty sealed ball bearings. Lubricated for life.

**Capacity:** 1-3/4" solids. 3" pipe. 45° - most 2-1/4" shapes.

**Safety Guards:** Cut-Off wheel and belt guards exceed safety code requirements

**Vise:** manually operated. Opens to 3-1/2".

**Stop:** Adjustable down stop limits depth of chop stroke.

**Mitering:** Cutting head can swivel 45° left and 45°. Cutting head and pedestal are mounted on a rugged swing arm secured in lubricated-for-life bearings. Lock to hold desired angle is quick and easy to operate.

OPTIONS:

**Patented Dust Collector and Fume Exhauster**

**Quick-Action Cam Lock Vise**

**Hood**

**Shipping Wt:** 150 lbs. 275 with cabinet base. 10 wheels, 14 lbs.



Dust collector, fume exhauster (patented), cabinet base and hood (optional) Cam Lock Vise featured (optional)

**12" Abrasive - Mitering Cut Off (continued)**

**12013F Complete with 5 H.P. TEFC motor, magnetic starter, vise** (specify voltage/phase/hertz when ordering)

**129300** Cabinet base

**129302** Dust collector fume exhauster

**129020** Hood (for use with cabinet base)

**129403** Adjustable outboard support

**129502** Oil mist spray (for cutting nonferrous materials)

**129430** Quick-action cam lock vise

Use Everett 45FG Abrasive cut-off wheels for long life

**14" - 16" Abrasive-Mitering Cut-Off**

SPECIFICATIONS

**Wheel Capacity:** 14" or 16" diameter.

**Arbor Shaft:** 1 inch.

**Motor:** Special hi-torque totally-enclosed fan-cooled 7-1/2 or 10 H.P.

**Starter:** Magnetic with thermal overload.

**Drive:** Multiple "V" belt, rawedge sure grip, automotive type.

**Spindle Bearings:** Heavy-duty sealed ball bearings. Lubricated for life.

**Capacity:** 2" solids. Most 5" shapes. 45° - most 1-3/4" solids. Most 3" shapes.

**Safety Guards:** Cut-off wheel and belt guards exceed safety code requirements.

**Vise:** Quick action cam lock.

**Air operation optional.**

**Stop:** Adjustable down stop limits depth of chop stroke.

**Mitering:** Cutting head can swivel 45° left of center. Indicators for 15°, 30° and 45°. Cutting head and pedestal are mounted on rugged swinging knee secured in lubricated-for-life bearings. Lock to hold desired cutting angle is quick and easy to operate.

**Outboard support:** To left of vise.



OPTIONS

**10 H.P. TEFC Motor**

**Patented Dust Collector and Fume Exhauster**

**Single Action Air Vise**

**Air operated work length gage**

**Shipping Wt.** 490 lbs. 10 wheels, 30 lbs.

**1601EF COMPLETE with TEFC motor, magnetic starter and quick-action cam lock vise** (specify H.P., voltage/phase/hertz when ordering)

**169402** Air operated work length

**169002** Dust collector fume exhauster

**169020** Hood

**169403** Adjustable outboard support

**169502** Oil mist spray (for cutting nonferrous materials)

**169470** Single action air operated vise

Dry Cutting Speeds (average) 90°		
Size	Material	Time
1"	Angle Iron	2 sec.
2"	Angle Iron	4 sec.
2"	Cold Roll Solid	7 sec.
1-1/2"	Pipe	3 sec.



## Everett

### 14" - 16" Abrasive Cut-Off

**SPECIFICATIONS**

**Wheel Capacity:** 14" or 16" diameter.

**Arbor Shaft:** 1 inch.

**Motor:** Special hi-torque totally-enclosed fan-cooled 7-1/2 or 10 H.P.

**Starter:** Magnetic with thermal overload.

**Drive:** Multiple "V" belt, rawedge sure grip, automotive type.

**Spindle Bearings:** Heavy-duty sealed ball bearings. Lubricated for life.

**Capacity:** 2" solids. Most 5" shapes.

**Safety Guards:** Cut-off wheel and belt guards exceed safety code requirements.

**Vise:** "V" shaped to hold various shaped materials in best cutting position. Hold down chain foot pedal operated.

**Air operation optional.**

**Stop:** Adjustable down stop limits depth of chop stroke.

**OPTIONS**

**10 H.P. TEFC Motor Hydraulic Power Head:** Hydraulic feed control for smooth, accurate cutting edge.

**Patented Electronic Wheel Wear Compensator**

**Patented Dust Collector and Fume Exhauster**

**Double Action Cam Lock Vise:**  
Opens to 3-1/2"

**Double Action Air Vise**

**Air Operated Work Length Gage**

**Shipping Wt.** 245 lbs. 10 wheels, 30 lbs.

**1600EF** COMPLETE with TEFC motor, magnetic starter, steel stand, "V" vise (specify H.P., voltage/phase/hertz when ordering)

**169200** Cabinet base

**169201** Dust collector fume exhauster (includes cabinet base)

**169010** Hood (for use with cabinet and dust collector)

**169403** Adjustable outboard support

**169401** 24" work length gage

**169502** Oil mist spray (for cutting nonferrous materials)

**169410** Air operated "V" shaped chain holddown vise

**169440** Double action cam lock vise

**169420** Double action air operated vise

**1620EF** COMPLETE with hydraulic power head, TEFC motor, magnetic starters, cabinet base and air operated "V" shaped chain holddown vise (specify H.P., voltage/phase/hertz when ordering):

**1640EF** COMPLETE as above with electronic wheel wear compensator

Dust collector, fume exhauster (patented), cabinet base & hood (optional)



Dry Cutting Speeds (average)		
Size	Material	Time
1"	Angle Iron	2 sec.
2"	Angle Iron	4 sec.
2"	Cold Roll Solid	7 sec.
1-1/2"	Pipe	3 sec.

### 20" - 22" Abrasive Cut-Off

**SPECIFICATIONS**

**Wheel Capacity:** 20" or 22" diameter.

**Arbor Shaft:** 1 inch.

**Motor:** Special hi-torque totally-enclosed fan-cooled 10 or 20 H.P. 3 phase.

**Starter:** Magnetic with thermal overload.

**Drive:** Multiple "V" belt, rawedge sure grip, automotive type.

**Spindle Bearings:** Heavy-duty sealed ball bearings. Lubricated for life.

**Capacity:** 3" solids. Most 7" shapes.

**Safety Guards:** Cut-off wheel and belt guards exceed safety code requirements.

**Vise:** "V" shaped chain holddown vise. Holds various shaped materials. Air operation optional.

**Stop:** Adjustable down stop limits depth of chop stroke.

**OPTIONS**

**Hydraulic Power Head -** With hydraulic feed control valve for smooth, accurate cutting speed.

**Electronic Wheel Wear Compensator**

**Exclusive Vibra-Action**

**OSCILLATION -** For improved cutting, reduced burr and longer wheel life. Increases capacity.

**Work Length Gage -** Automatically swings up out of the way when the part is clamped.

**Hood.**

**Shipping Weight:** 500 lbs. 10 wheels, 52 lbs.

**2000EF** COMPLETE with TEFC motor, magnetic starter and "V" shaped chain holddown vise (specify H.P., voltage/phase/hertz when ordering)

**209001** Dust collector fume exhauster

**209010** Hood

**209402** 24" air operated work length gage

**209403** Adjustable outboard support

**209502** Oil mist spray (for cutting nonferrous materials)

**209440** Double action cam lock vise

**209410** Air operated "V" shaped chain hold down vise

**209420** Double action air operated vise

**2020EF** COMPLETE with hydraulic power head, TEFC motor, magnetic starters with 110 volt at the pushbutton, air operated "V" shaped chain holddown vise, (specify H.P., voltage/phase/hertz when ordering)

**20406F** COMPLETE as above with electronic wheel wear compensator

**20026F** COMPLETE with TEFC motor, magnetic starters with 110 volt at the pushbutton, air operated "V" shaped chain holddown vise, **OSCILLATION**, (specify H.P., voltage/phase/hertz when ordering)

**20226F** COMPLETE as above with hydraulic powerhead

**20426F** COMPLETE as above with electronic wheel wear compensator

**5600EF** Hi-boy model (for cutting large diameter pipe)



The Sever it With Everett 23020FG abrasive cutoff wheels are an excellent freer cutting wheel for dry cutting powerhead machines.

Featured with hydraulic power head, oscillation, dust collector and fume exhauster, chain air vise.

Use only Everett fiberglass reinforced abrasive wheels.

Dry Cutting Speeds (average)		
Size	Material	Time
2"	Steel Pipe	2 sec.
4"	C.I. Soil Pipe	4 sec.
2"	Stainless Steel	8 sec.
3"	Cold Rolled Steel	21 sec.
4"	Steel Channel	6 sec.

HORSEPOWER AND VOLTAGE CODES FOR H.P. REPLACE "E" WITH	
4 = 7-1/2 HP	5 = 10 HP
FOR VOLTAGE REPLACE "F" WITH	
1 = 230/1/60 (Available only with 7-1/2 HP)	
2 = 208/3/60	3 = 230/3/60
4 = 380/3/50	5 = 440/3/60
7 = 575/3/60	
Call for Others	

HORSEPOWER AND VOLTAGE CODES FOR H.P. REPLACE "E" WITH	
5 = 10 HP	6 = 20 HP
FOR VOLTAGE REPLACE "F" WITH	
2 = 208/3/60	3 = 230/3/60
4 = 380/3/50	5 = 440/3/60
7 = 575/3/60	Call for Others

**Power Tools**

**Everett**

**20" - 22" Abrasive Mitering Cut-Off**

**SPECIFICATIONS**

**Wheel Capacity:** 20" or 22" diameter.

**Arbor Shaft:** 1 inch.

**Motor:** Special hi-torque totally-enclosed fan-cooled 10 or 20 H.P. 3 phase.

**Starter:** Magnetic with thermal overload.

**Drive:** Multiple "V" belt, rawedge sure grip, automotive type.

**Spindle Bearings:** Heavy-duty sealed ball bearings. Lubricated for life.

**Capacity:** 90° 3" solids. Most 6" shapes. 30° - 45° 2-1/2" solids, most 4" shapes.

**Safety Guards:** Cut-Off wheel and belt guards exceed safety code requirements.

**Vise:** Air operated chain holddown vise.

**Stop:** Adjustable down stop limits depth of chop stroke.

**Miter:** Cutting head swivels 60° right of center. Cuffing head and pedestal are mounted on a rugged swinging knee secured in lubricated-for-life bearings. Lock to hold desired angle is quick and easy to operate.

Featured with dust collector and fume exhauster

Use only Everett fiber-glass reinforced abrasive wheels.



**OPTIONS**

**Hydraulic Power Head** With hydraulic feed control valve for smooth, accurate cutting speed.

**Electronic Wheel Wear Compensator**

**OSCILLATION**

**Work Length Gage** Automatically swings up out of the way when the part is clamped.

**Dust Collector and Fume Exhauster Hood**

**Shipping Weight** 760 lbs. 10 wheels, 52 lbs.

Dry Cutting Speeds (average)		
Size	Material	Time
2"	Steel Pipe	5 sec.
4"	Steel Channel	10 sec.
2"	Steel Pipe	8 sec.
1"	Cold Rolled Steel	3 sec.

- 2001EF** COMPLETE with TEFC motor, magnetic starter and air operated chain holddown vise (specify H.P., voltage/phase/hertz when ordering)
- 209002** Dust collector fume exhauster
- 209020** Hood
- 209403** Adjustable outboard support
- 209502** Oil mist spray (for cutting nonferrous materials)
- 209404** Air operated 24" work length gage
- 2021EF** COMPLETE with hydraulic power head, TEFC motor, magnetic starters with 110 volt at the push-button, air operated chain holddown vise (specify H.P., voltage/phase/hertz when ordering)
- 2041EF** COMPLETE as above with electronic wheel wear compensator
- 20036F** COMPLETE with TEFC motor, magnetic starters with 110 volt at the push-button, air chain holddown vise, *OSCILLATION* (specify H. P., voltage/phase/hertz when ordering)
- 20236F** COMPLETE as above with hydraulic powerhead
- 20436F** COMPLETE as above with electronic wheel wear compensator

**16" Everett SPIRAL Hydraulic Hose Cut-Off Machine**

This Heavy Duty Saw will cut wire braid and spiral reinforced hoses up to 5" as well as thermoplastic hoses. The 7-1/2 H.P. motor is available in single or three phase.



- 1600EF** COMPLETE with TEFC motor, magnetic starter, steel stand, "V" vise (specify H.P., voltage/phase/hertz when ordering)
- 169200** Cabinet base
- 169201** Dust collector fume exhauster (includes cabinet base)
- 169010** Hood (for use with cabinet and dust collector)
- 169403** Adjustable outboard support
- 169401** 24" work length gage
- 169502** Oil mist spray (for cutting nonferrous materials)
- 169410** Air operated "V" shaped chain holddown vise
- 169440** Double action cam lock vise
- 169420** Double action air operated vise
- 1620EF** COMPLETE with hydraulic power head, TEFC motor, magnetic starters, cabinet base and air operated "V" shaped chain holddown vise (specify H.P., voltage/phase/hertz when ordering)
- 1640EF** COMPLETE as above with electronic wheel wear compensator

**HORSEPOWER AND VOLTAGE CODES FOR H.P. REPLACE "E" WITH**  
 4 = 7-1/2 H.P. 5 = 10 H.P.  
**FOR VOLTAGE REPLACE "F" WITH**  
 1 = 230/1/60 (Available only with 7-1/2 HP)  
 2 = 208/3/60 3 = 230/3/60  
 4 = 380/3/50 5 = 440/3/60 7 = 575/3/60  
 CALL FOR OTHERS

**Everett 20" - 22" Contractors Model**

**For Cutting UP to 6" Pipe and Conduit**

This rugged but portable, Everett model was specially designed for the job site. The Contractor's Model comes complete with magnetic starter, stand and foot pedal operated vise. The special high-torque motor is totally-enclosed and fan cooled. Shipping weight 360 lbs.



- 5200EF** COMPLETE with motor, magnetic, starter, "V" shaped chain holddown vise, steel stand (specify H.P., voltage/ phase/hertz when ordering)
- 529401** 24" work length gage
- 529410** Air operated "V" shaped chain holddown vise
- 529403** Adjustable outboard support

**HORSEPOWER AND VOLTAGE CODE FOR HORSEPOWER REPLACE "E" WITH**  
 4 = 7-1/2 H.P. 5 = 10 H.P.  
**FOR VOLTAGE REPLACE "F" WITH**  
**1 = 230/1/60 AVAILABLE ONLY WITH 7-1/2 HP**  
 2 = 208/3/60 3 = 230/3/60  
 4 = 380/3/50 5 = 460/3/60  
 7 = 575/3/60  
 CALL FOR OTHERS

## Fein

### Fein

#### Multi Master

As a universal system for interior work and renovation, the FEIN MultiMaster is a professional tool for those who place particular value on versatility - without having to sacrifice long service life. For example, the FEIN MultiMaster can be used in renovation work around the house, boat or car. The FEIN MultiMaster, with its oscillating motion and user-oriented accessories, you get a universally applicable power tool which satisfies the highest professional requirements.



Model No.	Power Consumption (Watts)	OPM	Standing Pad Size (in)	Power Cord (ft)	Tool Weight (lbs)
FMM250	250	11,000-20,000	3-1/8	15	2.6

#### • Sawing Applications:

##### SAW BLADES

For sawing wood, putty and soft materials. HSS saw blades also for fibre glass reinforced plastic and sheet metal of up to 1mm. Angled saw blades allow work flat with respect to the surface. Segmenting allows cuts at right angles without crossover.



##### SEGMENT SAW BLADE

Angled  $\varnothing$  84 mm, pack of 1  
• Order Reference: 6 35 02 113 01 9

##### HSS SAW BLADES

$\varnothing$ mm	Pack/qty.	Order Reference
63	1	6 35 02 096 02 3
63	2	6 35 02 096 01 7
80	1	6 35 02 097 02 7
80	2	6 35 02 097 01 1



##### HSS SEGMENT SAW BLADE

$\varnothing$  80 mm, pack of 1  
• Order Reference: 6 35 02 106 01 5

##### HSS SAW BLADE, ANGLED

$\varnothing$  80 mm, pack of 1  
• Order Reference: 6 35 02 112 02 1

##### DEPTH STOP RING

For saw blades  $\varnothing$  63 and 80 mm and for segment saw blades w/o angle  
• Order Reference: 3 26 07 058 01 8

##### CUTTING PASTE

Lubricant for sawing sheet metal materials  
• Order Reference: 3 21 32 020 12 9

#### • Cutting Applications:

##### DIAMOND-COATED SAW BLADE

For removing grout between tile surfaces, inside bathrooms or entrances. Minimum dust due to oscillating motion with no damage to adjacent tiles. Also excellent for making plunge cuts for electrical wiring into plastered walls, dry wall, sheet rock, porous concrete, etc.;



$\varnothing$  63 mm, pack of 1  
• Order Reference: 6 35 02 105 01 2

##### DIAMOND-COATED SEGMENT SAW BLADE

For removing grout between tile surfaces in corners without overlaps. Pack of 1  
• Order Reference: 6 35 02 109 01 1

##### CLEANING BLOCK

"Rhomb" for cleaning the diamond-coated saw blades  
• Order Reference: 6 37 19 007 01 0

#### • Scraping/Cutting Applications:

##### FIXED SCRAPER BLADE

For removing carpet and tile adhesive residues, cinder, underseal and damaged coatings etc. Pack of 1  
• Order Reference: 6 39 03 178 01 7



##### FLEXIBLE SCRAPER BLADE

For removing coats of paints, adhesive residues, adhesives, elastic sealants in residential and sanitary rooms etc. Pack of 2  
• Order Reference: 6 39 03 165 01 3

##### SEGMENT BLADE CONVEX

For cutting rigid materials, e.g., plastic floor tiles, linoleum, rubber, card, leather, wire netting, looped material/carpets etc. Pack of 1  
• Order Reference: 6 39 03 192 01 4

##### SEGMENT BLADE, CONCAVE

For cutting soft materials, e.g. felt, leather, polystyrene etc. Pack of 1  
• Order Reference: 6 39 03 193 01 8

#### • Sanding Applications:

##### SET OF SANDING PADS

Pack of 2, without holes  
• Order Reference: 6 38 06 129 02 6

##### SANDING SHEETS, W/O HOLES

For universal use on almost all materials, corundum with quick-release Velcro fastening

Grain	Pack of 5 6 37 17...	Pack of 50 6 37 17...
36	...086 04 8	...086 01 0
40	...081 04 6	...081 01 8
60	...082 04 9	...082 01 1
80	...083 04 3	...083 01 5
100	...084 04 1	...084 01 3
120	...085 04 5	...085 01 7
150	...087 04 2	...087 01 4
180	...088 04 0	...088 01 2
220	...089 04 4	...089 01 6
240	...090 04 6	...090 01 8
280	...091 04 5	...091 01 7
320	...092 04 8	...092 01 0
400	...093 04 2	...093 01 4



##### SET OF SANDING SHEETS

10 ea. sanding sheets, without holes, with quick-release Velcro fastening. Grains 60, 80, 120, 180, 240  
• Order Reference: 6 37 17 082 03 3

##### SET OF PLASTIC-BACKED SANDING PADS

With plastic backing to avoid marks, pack of 2  
• Order Reference: 6 38 06 153 02 2

##### SET OF FLAT SANDING PADS

For very narrow openings, pack of 2  
• Order Reference: 6 38 06 142 02 9

##### DUST EXTRACTION KIT

Consisting of 2 sanding pads, perforated; 5 sanding sheets, perforated, grains 60, 80, 120; 1 suction hood with suction pipe, 2 hose connectors for hose connection  $\varnothing$  27 and 32 and 2 adapters for connecting to the most common domestic dust extractors.

For	Order Reference
MSxe 636 II	9 26 02 063 02 3
MSx 315	9 26 02 065 02 5
MOx 6-25	9 26 02 059 02 5

##### ADAPTER HOSE

Pack of 1, for connecting the dust extraction kit to the most common domestic dust extractors. The adapter hose is pushed on to the hose connector for the hose connection  $\varnothing$  27 mm.

Version	Order Reference
Thin	3 06 05 110 00 8
Thick	3 06 05 109 00 6

- continues -

**Power Tools**

**Fein**

*Sanding (continued)*

**SET OF SANDING PADS** – Pack of 2, perforated

• **Order Reference:** 6 38 06 136 02 9

**SANDING SHEET, PERFORATED**

For universal use with the dust extraction kit on almost all materials such as wood, metal, fibre glass reinforced plastic, plastic, varnish, spattle, solders, leather etc., corundum with quick-release Velcro fastening.

Grain	Pack of 5 6 37 17...	Pack of 50 6 37 17...
36	...107 04 9	...107 01 1
40	...108 04 7	...108 01 9
60	...109 04 1	...109 01 3
80	...110 04 3	...110 01 5
100	...111 04 2	...111 01 4
120	...112 04 5	...112 01 7
150	...113 04 9	...113 01 1
180	...114 04 7	...114 01 9
220	...115 04 1	...115 01 3
240	...116 04 4	...116 01 6
280	...117 04 8	...117 01 0
320	...118 04 6	...118 01 8
400	...119 04 0	...119 01 2

**SET OF SANDING SHEETS**

10 ea. Sanding sheets, perforated, with quick-release Velcro fastening, corundum, grains 60, 80, 120, 180, 240.

• **Order Reference:** 6 37 17 109 03 5

**FEIN “DUSTEX” DUST EXTRACTOR**

The ideal supplement for the Fein MultiMaster: Compact, portable wet and dry suction unit for small to medium quantities of dust with automatic on/off function.

• **Order Reference:** 9 20 19 223 0 14

**CLOVER-LEAF SANDING PAD**

With Velcro fastener on the top and bottom, for use with clover-leaf sanding sheets. Pack of 2, without holes.

• **Order Reference:** 6 38 06 144 02 1

**CLOVER-LEAF SANDING SHEETS**

Highly elastic, grain 150. Can be used in conjunction with sanding pad 6 38 06 144 02 1

Pack/qty.	Order Ref.
5	6 37 17 129 04 9
50	6 37 17 129 01 1

**“SUPERSOFT” SANDING PADS**

For special applications. Pack of 2, without holes. Only the sanding sheets listed below may be used with this sanding pad.

• **Order Reference:** 6 38 06 141 02 6

**“SUPERSOFT” SANDING SHEETS**

Special sanding sheets for sanding aluminum rims, touching-up – whether it is trapped dust, paint runs, overspray on wood, plastic, metal etc. Only in conjunction with sanding pad 6 38 06 141 02 6. Corundum, without holes, pack of 50.

Flexible, “beige”	
Grain	Order Reference
240	6 37 17 126 01 5
320	6 37 17 127 01 9
400	6 37 17 128 01 7
500	6 37 17 179 01 6
Highly flexible, “grey”	
Grain	Order Reference
240	6 37 17 198 01 0
320	6 37 17 199 01 4
400	6 37 17 200 01 2
500	6 37 17 201 01 1

**CARBIDE RASP**

For grinding tile edges, natural and artificial stones, surface-grinding tile adhesive, removing graffiti on concrete and stone facades, removing oil spots on concrete garage floors, rough-grinding of wood, spattle, varnish etc. Pack of 1, carbide-tipped.

	Order Reference:
Triangular shape	6 37 31 001 01 4
Finger shape, coated on two sides	6 37 31 002 01 7

– continues –

*Sanding (continued)*

**SANDING FINGER**

For use in very narrow and low-lying points, in grooves, slots, openings and folds. The sanding finger can be adapted to the workpiece by bending. Pack of 2, with self-adhesive quick-fastener, without holes.

Height	Order Reference
7 mm	6 38 06 159 02 3
1 mm	6 38 06 157 02 1

**SANDING FINGER**

With Velcro fastener on the top and bottom. Pack of 2, without holes.

Height	Order Reference
2 mm	6 38 06 158 02 9

**SANDING SHEETS**

For sanding fingers, with quick-release Velcro fastening, corundum, without holes, pack of 20.

Grain	Order Reference
40	6 37 17 184 01 2
60	6 37 17 185 01 6
80	6 37 17 186 01 9
100	6 37 17 187 01 3
120	6 37 17 188 01 1
150	6 37 17 189 01 5
180	6 37 17 190 01 7
220	6 37 17 191 01 6
240	6 37 17 192 01 9
280	6 37 17 193 01 3
320	6 37 17 194 01 1
400	6 37 17 195 01 5

**SANDING SET FOR STONE**

Can be universally used for sanding stone and stone products. Consisting of: 5 ea. sanding sheets, without holes, grains, 40, 80, 120, 220, 320, 400, 600, 800: 1 sanding pad each, without holes, with aluminum and plastic carrier plate; 1 felt polishing plate.

• **Order Reference:** 6 38 06 129 06 7

**SANDING SHEETS FOR STONE**

Special sanding sheets for coarse and fine sanding of natural and artificial stone, quick-release Velcro fastening, silicon carbide, without holes, pack of 50.

Grain	Order Reference
40	6 37 17 120 01 4
80	6 37 17 121 01 3
120	6 37 17 122 01 6
220	6 37 17 123 01 0
320	6 37 17 124 01 8
400	6 37 17 125 01 2
600	6 37 17 175 01 7
800	6 37 17 176 01 0

• **Polishing Applications:**

**Felt Polishing Set**

For polishing metal parts, e.g. door and furniture fittings made of brass etc., also for polishing and effect-polishing stone and stone products. Gelcoat coatings on boats can also be polished.

Pack of 2.

• **Order Reference:** 6 38 06 140 02 7  
Material-specific polishing agents are available from qualified specialist dealers.





## Fein

### Fein SuperCut Construction

This is the right power tool for all professionals in the interior work and renovation trades. The powerful 400 Watt high-power motor and durable gears are designed for the most demanding use. With a more powerful motor and stronger oscillation movement, the FEIN SuperCut Construction means maximum progress, resulting in time and cost savings



See below for other accessories. Special brochures for other individual application areas are available on request.

Model No.	Power Consumption (Watts)	OPM	Power Cord (ft)	Tool Weight (lbs)
FSC2.0Q	400	11,800-18,500	16	2.7

#### • Car Repair Applications

##### REMOVING CAR WINDSHIELDS

Firmly bonded windshields in cars can be removed quickly and easily on all current vehicles (i.e. without damage to the glass, paintwork or chassis) by using special blades.



##### CAR SCREEN REMOVAL SET

Fein selection of blades with the normal blades from the FEIN range. Suitable for almost all cars.

• Order Reference: 6 39 03 167 12 5

##### REPAIR WORK

The FEIN cutter is also extremely well suited for carrying out repair work on cars, whether sawing, grinding or cutting.

##### CAR BODY REPAIR KIT

A collection of the most important accessories for removing stuck-on attachments, smoothing adhesive spots, removing insulation mats, underseal and roof linings, and for sawing and grinding.

• Order Reference: 6 39 03 167 13 1

For more detail information, request our brochure "The FEIN cutter for car repair work".

#### • Tiling, Fitters:

##### REPLACING DAMAGED TILES

All joint cement materials can be easily removed with FEIN diamond-tipped tools in interior and sanitary rooms rapidly, accurately, and without dust. Harmful elastic silicone and acrylic joints can be removed quickly and without residue using FEIN blades.



##### TILE LAYING SET

Diamond-coated blade for part-repairs on tile surfaces (marble and brass joints).

• Order Reference: 6 39 03 167 19 4

##### REPAIR SET FOR SILICONE JOINTS

For removing damaged elastic joint sealants in interior and sanitary areas.

• Order Reference: 6 39 03 167 17 2

##### A WIDE RANGE OF ACCESSORIES

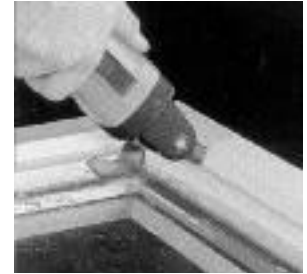
Use the carbide rasp to sand off tile adhesive, cement or plaster; saw through wiring ducts w/o burrs and distortion; or adapt door frames to new higher floor covering – no problem at all with the FEIN cutter.

– continues –

#### • Glazing:

##### REPLACING INSULATION GLASS

The FEIN cutter is the optimum tool for replacing insulation glass embedded in putty. Whether in wooden or aluminum window frames, but also usable in all other glazing work, with saw blades and sander accessories.



##### GLAZING SET

For removing putty-glazed insulating glass panes, removing putty from simple or composite glazing, sawing wood, plastic and metal and also for sanding on corners and edges.

• Order Reference: 6 39 03 167 14 7

For further detailed information, please request the brochure "A decision as clear as glass".

#### • Sawing/Sanding:

##### UNIVERSAL SAW SET

For sawing wood, metal, fibre glass-reinforced plastic etc. Clean, burr-free cut without the risk of injury.

• Order Reference: 6 35 02 102 03 8

##### UNIVERSAL SANDING SET

Rapid and simple retooling to a high-performance triangular sander.

• Order Reference: 6 38 06 129 04 8

Detailed information available on request.

#### • Facades:

##### REPAIRING JOINTS

Polyurethane-based, acrylic-based or silicone-based joint sealing agents that are used for expansion joints in buildings can be easily removed for renovation using the FEIN cutter. The amount of working time saved compared with other methods is about 60%. The method also offers a high level of safety.



##### JOINT REPAIR SET

For removing elastic sealants, also with extra-long blades, removing sealants in internal and corner areas, cleaning joint edges and removing concrete beads.

• Order Reference: 6 39 03 167 18 8

For further detailed information, please request the brochure "A faster, more reliable cut".

#### • Boat Building:

##### RENOVATING DECKS

The FEIN cutter is the ideal solution for cutting work of the type which arises on decks. Successful work without any trouble, even in awkward locations. Three different blades are available for different joint widths.

Detailed information available on request.



**Power Tools**

# Hougen

## Hougen

### PORTABLE DRILLS & ACCESSORIES: Model for Model, The Best Value & Productivity Available

#### HMD100

Ultra low profile, lightweight 20 lb. drill with a quill feed arbor that eliminates gibs and slide/way adjustments. Handles operate from either side and with handles removed, the hex head allows use of a socket wrench for ratcheting the feed. Handles lock for carrying. The arbor has bayonet-style twist and lock tool mounting for fast changeover of quick release, "17,000-Series" Rotabroach Cutters. For safety, the motor switch must be continuously pressed during operation and the motor will not run without the magnet switch "on." Rear mounted controls optimize ergonomics. Convenient carrying case and safety strap is standard.

<b>Model</b>		<b>HMD100</b>
<b>Electrical Rating</b>		115V 60Hz 7.2 Amp
<b>No Load RPM</b>		450
<b>Hole Cap.</b>	<b>Dia. (in)</b> <b>Depth (in)</b>	5/8 – 1-1/16 3/4
<b>Arbor</b>		Twist lock quick release
<b>Dim.</b>	<b>Height (in)</b>	6-1/2
	<b>Width (in)</b>	8-1/2
	<b>Length (in)</b>	10-1/8
<b>Base Size (in)</b>		4" W x 7" L
<b>Net Wt. (approx)</b>		20 lb.
<b>Magnet on Plate</b>	<b>Drill Point Breakaway</b>	(3/8" Plate) – 535 lb. (1" Plate) – 849 lb.
	<b>Dead Lift</b>	(3/8" Plate) – 1283 lb. (1" Plate) – 2080 lb.



#### HMD500

Two-speed with quill feed design eliminates gib adjustments and arbor support brackets/spacers for maintenance free operation and fast, smooth feed into and throughout the cut especially in deep hole drilling. LED feed rate indicator helps obtain optimum cutting efficiency and long tool life. Optional pressurized coolant system aids drilling in horizontal positions and feed handles can be switched to either side without tools. Rear positioned controls for accessibility and convenience. Coolant bottle and carrying handle removes leaving drill only 15" high. Hougen's safety features, carrying case and safety chain are standard.

<b>Model</b>		<b>HMD500</b>
<b>Electrical Rating</b>		120V 50/60Hz 15 Amp 1800 Watts
<b>No Load RPM</b>		250 & 450
<b>Hole Cap.</b>	<b>Dia. (in)</b> <b>Depth (in)</b>	7/16 – 2-3/8 3
<b>Arbor Bore (in)</b>		3/4
<b>Dia.</b>	<b>Height (in)</b>	19-3/4
	<b>Width (in)</b>	4-3/4
	<b>Length (in)</b>	10-1/2
<b>Base Size (in)</b>		4" W x 7" L
<b>Net Wt. (approx)</b>		43 lb.
<b>Magnet on Plate</b>	<b>Drill Point Breakaway</b>	(3/8" Plate) – 641 lb. (1" Plate) – 1056 lb.
	<b>Dead Lift</b>	(3/8" Plate) – 1519 lb. (1" Plate) – 2567 lb.



#### HMD904 & HMD908

- Large 1-1/2" x 2" capacity
- Positive slug ejection
- Many accessories are available for a portable machine shop including: drill chucks, tapping, countersink, etc.
- Feed handles quickly change from side to side
- Lift detector safety system
- Rear mounted controls
- Gravity feed coolant system (HMD904C)
- Carrying case included
- One year warranty



Model No.	Electrical Rating	No Load (rpm)	Dia. (in.)	Depth (in)	Dimensions (in)	Net Wt. (lb)
HMD904	115V 60Hz	450	7/16x1-1/2	2	16-7/16x7-3/16x8-1/4	27.5
HMD908	230V 50/60Hz	450	7/16x1-1/2	2	16-7/16x7-3/16x8-1/4	27.5

#### HMD914

- Powerful high torque motor and gears
- Positive slug ejection
- Now available with or without the swivel base
- New Housing with more ergonomic handle and lighter weight
- Many accessories are available to turn your drill into a portable machine shop including: drill chucks, tapping, countersink, etc
- Feed handles quickly change from side to side
- Lift detector safety system
- Rear mounted controls
- Carrying case included
- Gravity fed coolant bottle included
- One year warranty



Model No.	Electrical Rating	Dia. (in.)	Depth (in)	Dimensions (in)	Net Wt. (lb)
HMD914	115V 50/60Hz	7/16x2-1/16	3	23x7-1/2x12-1/4	41

#### HMD915

- Interchangeable gears for up to five speeds
- Uses Rotabroach "42/43,000-Series" Cutters
- Can use "12,000-Series" Cutters with adapter (Included)
- Positive slug ejection
- Feed handles quickly change from side to side
- Coolant bottle included
- More holding power with impactor points
- Lift detector safety system
- Chip breaker
- Minimal maintenance requirements
- One year warranty



Model No.	Electrical Rating	No Load (rpm)	Dimensions (in)	Net Wt. (lb)
HMD915	120V 50/60Hz	120/332	26-1/4x10x17-3/4	69

## Hougen

### ACCESSORIES:

#### Pipe Adapter Kits

These kits let you drill pipe and tubing with a minimum 3" diameter and some convex surfaces. Kits quickly attach to your Hougen Magnetic Drill and positive non-slip positioning assures centered hole location.

Part No.	Description
02564	Chain mount for Models 10904, 08, HMD500, 10909(S), 14(S), 25 & 26
10726	Bracket mount for Models 10915 & 16



#### Tapping Kits

Lightweight, easy to install design incorporates a planetary gear reverse with a 1:1 ratio. Reversing speed is equal to spindle speed so in-feed and out-feed of the unit can be employed without reversing motor direction.

Drill Model	Part No. Tapping Kit	Collet	Tap Cap. (in)
10904	02463	02495	#6 - 1/4
10908		02496	1/4 - 1/2
10909(S)	10937	10807	#10 - 1/2
10914(S)		10808	1/2 - 3/4



#### Countersink Kit

Designed for use with Hougen Magnetic Drills, 82° Countersink\* is triple fluted with a patented pilot assembly that requires minimum torque providing maximum tool efficiency for holes from 9/16" to 15/16" diameters.

Part No.	Description
12958	Kit includes 3/4" Shank Cutter & (4) Pilots
12959	82° Countersink
12952	9/16" diameter Pilot
12953	11/16" diameter Pilot
12954	13/16" diameter Pilot
12955	15/16" diameter Pilot

\*Models 10915 & 16 require 02386 Spindle Adapter



#### Portable Vac-Pad™

Vac-Pad™ works exclusively with Models 10904 & 08 on non-ferrous materials, diamond plate and materials with surface imperfections up to 3mm deep. Standard shop air provides 761 lbf surface holding power at 85 kpa. Safety switch shuts off drill motor if air pressure drops.

Part No.	Description
05000	Vac-Pad Vacuum Base without drill



#### Ratchet Drive

With the feed handles of Hougen Models HMD500, 10904 & 08 removed the Ratchet Drive is easily installed allowing use of a standard ratchet handle for drilling in confined areas. Ratchet Drive operates from either side of drill.

Pt. No.	Desc.
02449	Ratchet Drive for Model 10904 & 08 Magnetic Drill, does not include Ratchet
24154	Rotabroach Drill Model HMD500



#### Arbor Extenders

When extended reach is necessary, Hougen offers 1" and 2" Arbor Extenders with a 1.310" diameter that fit arbors using "12,000-Series" Cutters. Contact a Sales Rep. for more information about your application.

Pt. No.	Desc.
10100	1" Arbor Extender, Pilot Extender & (2) Set Screws
10200	2" Arbor Extender, Pilot Extender & (2) Set Screws



#### Jacobs® Chucks

Two sizes of Jacobs® Chucks are available for Hougen Magnetic Drills. The 1/2" Chuck fits Models 10904, 08, 09(S) & 14(S). The 5/8" Chuck fits Models 10909(S) & 14(S). 1/2" Chuck requires 01829 Spindle Adapter for Models 10904 & 08. Models 10909(S) & 14(S) required Spindle Adapter 40341 for both chuck sizes.

Part No.	Description
10732	1/2" Jacobs Chuck with key
10738	5/8" Jacobs Chuck with key



#### Spindle Adapters

To increase versatility & productivity of your Hougen Portable Magnetic Drill you will be adding many of the accessories listed here. These Spindle Adapters are required for several of the accessories listed in this catalog.

Part No.	Description
01829	1/2" Chuck Adapter for 10904 & 08
02386	3/4" bore for 10915 & 16
10851	1/2" bore for 10904, 08, 09, 14, 25 & 26
40040	3/4" Weldon Shank for 10915 & 16
40226	Tapping-short for 10909 & 14
40341	Chuck Adapter-long for 10909 & 14



#### Twist Drill Adapter

Easily installs in a Hougen Magnetic Drill\* without removing drill arbor and coolant system. Adapter accepts a modified 118° twist drill with a 1/4" flatted shank that secures in adapter with a set screw. A convenient kit is available containing all items listed below.

Parts No.	Description
02608	Twist Drill Adapter with Set Screw
02695	Set Screw for Adapter
03835	1/2" dia. Twist Drill
03837	7/16" dia. Twist Drill
03839	3/8" dia. Twist Drill
03841	5/16" dia. Twist Drill
03843	1/4" dia. Twist Drill
03845	Twist Drill Adapter Kit

\*Except Models 10915 & 16



#### Replacement Parts

Pt. No.	Description	Pt. No.	Description
01243	Chip Breaker Kit	10730	Safety Chain (High Test)
02635	3/16" Hex T-Handle Wrench for 10904 & 08	10779	7/32" Hex Wrench for 10909, 14, 25 & 26
02668	Carrying Case for 10904 & 08	17052	HMD100 Carrying Case
10725	Carrying Case for 10909(S) & 10914(S)	17059	HMD100 Safety Strap
01727	3/16" Hex Wrench for 10904 & 08	24115	HMD500 Carrying Case



**Power Tools**

# Hougen

## ROTABROACH® Cutters & Accessories

### “12,000-Series” M2 H.S.S.

For use with all Hougen Portable Magnetic Drills and materials up to 275 BHN. Made of hardened, high speed tool steel and precision ground, cutters feature a 3/4" diameter shank (Models 10915 and 10916) require adapter #02386) and are available in 1, 2, and 3" D.O.C. Plus, modified end tooth geometry for stacked plate drilling is available. “12,000-Series” Cutters are resharpenable using the Rotabroach Model 10950 Sharpening Machine.



Cutter Dia. (in)	Decimal Equiv.	Part No.		
		1" Depth of Cut	2" Depth of Cut	3" Depth of Cut
<b>Use with Pilot</b>		<b>10531</b>	<b>10532</b>	
7/16	.4375	12114	12214	-
1/2	.5000	12116	12216	-
9/16	.5625	12118	12218	-
<b>Use with Pilot</b>		<b>10527</b>	<b>10528</b>	<b>24131</b>
5/8	.6250	12120	12220	-
11/16	.6875	12122	12222	-
3/4	.7500	12124	12224	3-12224
13/16	.8125	12126	12226	3-12226
7/8	.8750	12128	12228	3-12228
15/16	.9375	12130	12230	3-12230
1	1.0000	12132	12232	3-12232
1-1/16	1.0625	12134	12234	3-12234
1-1/8	1.1250	12136	12236	3-12236
1-3/16	1.1875	12138	12238	3-12238
1-1/4	1.2500	12140	12240	3-12240
1-5/16	1.3125	12142	12242	3-12242
1-3/8	1.3750	12144	12244	3-12244
1-7/16	1.4375	12146	12246	3-12246
1-1/2	1.5000	12148	12248	3-12248
1-9/16	1.5625	12150	12250	3-12250
1-5/8	1.6250	12152	12252	3-12252
1-11/16	1.6875	12154	12254	3-12254
1-3/4	1.7500	12156	12256	3-12256
1-13/16	1.8125	12158	12258	3-12258
1-7/8	1.8750	12160	12260	3-12260
1-15/16	1.9375	12162	12262	3-12262
2	2.0000	12164	12264	3-12264
2-1/16	2.0625	-	12266	3-12266
2-1/8	2.1250	-	12268	3-12268
2-3/16	2.1875	-	12270	3-12270
2-1/4	2.2500	-	12272	3-12272
2-5/16	2.3125	-	12274	3-12274
2-3/8	2.3750	-	12276	3-12276
<b>Use with Pilot</b>		<b>10531</b>	<b>10532</b>	
12 mm	.4724	12312	12412	-
13 mm	.5118	12313	12413	-
14 mm	.5512	12314	12414	-
15 mm	.5906	12315	12415	-
<b>Use with Pilot</b>		<b>10527</b>	<b>10528</b>	<b>24131</b>
16 mm	.6299	12316	12416	-
17 mm	.6693	12317	12417	-
18 mm	.7087	12318	12418	-
19 mm	.7480	12319	12419	-
20 mm	.7874	12320	12420	-
21 mm	.8268	12321	12421	-
22 mm	.8661	12322	12422	-
23 mm	.9055	12323	12423	12523
24 mm	.9449	12324	12424	12524
25 mm	.9843	12325	12425	12525
26 mm	1.0236	12326	12426	12526
27 mm	1.0630	12327	12427	12527
28 mm	1.1024	12328	12428	12528
29 mm	1.1417	12329	12429	12529
30 mm	1.1811	12330	12430	12530
31 mm	1.2205	12331	12431	12531
32 mm	1.2598	12332	12432	12532
33 mm	1.2992	12333	12433	12533
34 mm	1.3386	12334	12434	12534
35 mm	1.3779	12335	12435	12535
36 mm	1.4173	12336	12436	12536
37 mm	1.4567	12337	12437	12537
38 mm	1.4961	12338	12438	12538
39 mm	1.5354	12339	12439	12539
40 mm	1.5743	12340	12440	12540
41 mm	1.6142	12341	12441	12541
42 mm	1.6535	12342	12442	12542
43 mm	1.6929	12343	12443	12543
44 mm	1.7323	12344	12444	12544
45 mm	1.7717	12345	12445	12545
46 mm	1.8110	12346	12446	12546
47 mm	1.8504	12347	12447	12547
48 mm	1.8898	12348	12448	12548
49 mm	1.9291	12349	12449	12549
50 mm	1.9685	12350	12450	12550
51 mm	2.0079	12351	12451	12551
52 mm	2.0472	12352	12452	12552

### “12,000-Series” Tap Drills

Cutter Dia. (in)	Thread	Dec. Equiv.	Part No.	
			1"	2"
7/16	1/2 - 13	.4375	12114	12214
35/64	5/8 - 11	.5469	12117	12217
21/32	3/4 - 10	.6563	12121	12221
25/32	7/8 - 9	.7812	12125	12225

### “12,000-Series” Pilots

For Use with Cutter Dia.	Part No.		
	Material Thickness		
	1"	2"	3"
7/16" & 12mm	10531	10532	-
1/2 - 11/16 & 13 - 18mm	10533	10534	-
3/4 - 2-1/16" & 19 - 51mm	10527	10528	3-10528
Rail Drill Only	-	40588	-
3/4 - 2-3/8" Model HMD500	24131	24131	24131

### “12,000-Series” TiN Coated M2 H.S.S.

TiN Coated cutters increase tool life, reduce friction, and operate at cooler temperatures. For materials up to 325 BHN or gummy materials.



Cutter Dia. (in)	Decimal Equiv. (in)	Part No.
<b>1" Depth of Cut, Use Pilot 10531</b>		
7/16	.4375	12614
<b>1" Depth of Cut, Use Pilot 10533</b>		
1/2	.5000	12616
9/16	.5625	12618
5/8	.6250	12620
11/16	.6875	12622
<b>1" Depth of Cut, Use Pilot 10527</b>		
3/4	.7500	12624
13/16	.8125	12626
7/8	.8750	12628
15/16	.9375	12630
1	1.0000	12632
1-1/16	1.0625	12634
1-1/8	1.1250	12636
1-3/16	1.1875	12638
1-1/4	1.2500	12640
1-5/16	1.3125	12642
1-3/8	1.3750	12644
1-7/16	1.4375	12646
1-1/2	1.5000	12648
1-9/16	1.5625	12650
1-5/8	1.6250	12652
1-11/16	1.6875	12654
1-3/4	1.7500	12656
1-13/16	1.8125	12658
1-7/8	1.8750	12660
1-15/16	1.9375	12662
2	2.0000	12664
2-1/16	2.0625	-

Cutter Dia. (in)	Decimal Equiv. (in)	Part No.
<b>2" Depth of Cut, Use Pilot 10532</b>		
7/16	.4375	12714
<b>2" Depth of Cut, Use Pilot 10534</b>		
1/2	.5000	12716
9/16	.5625	12718
5/8	.6250	12720
11/16	.6875	12722
<b>2" Depth of Cut, Use Pilot 10528</b>		
3/4	.7500	12724
13/16	.8125	12726
7/8	.8750	12728
15/16	.9375	12730
1	1.0000	12732
1-1/16	1.0625	12734
1-1/8	1.1250	12736
1-3/16	1.1875	12738
1-1/4	1.2500	12740
1-5/16	1.3125	12742
1-3/8	1.3750	12744
1-7/16	1.4375	12746
1-1/2	1.5000	12748
1-9/16	1.5625	12750
1-5/8	1.6250	12752
1-11/16	1.6875	12754
1-3/4	1.7500	12756
1-13/16	1.8125	12758
1-7/8	1.8750	12760
1-15/16	1.9375	12762
2	2.0000	12764
2-1/16	2.0625	12766

### Modified “12,000-Series” TiN Coated Premium H.S.S.

A premium tool for harder materials when improved wear resistance is critical. TiN Coated Premium H.S.S. tools are ideal for use with materials up to 350 BHN, such as T1 alloy plate, armor plating and railroad track. Higher hardness than M2 but with less impact resistance. Other coatings available upon request.

Cutter Dia. (in)	Decimal Equiv. (in)	Part No.
<b>Use Pilot 10528 with Magnetic Drills</b>		
<b>Use Pilot 40588 with Rail Drill</b>		
7/8	.8750	01354
15/16	.9375	01355
1	1.0000	01356
1-1/16	1.0625	01357
1-1/8	1.1250	01358
1-3/16	1.1875	01359
1-1/4	1.2500	01360
1-5/16	1.3125	01361
1-3/8	1.3750	01362
1-7/16	1.4375	01363
1-1/2	1.5000	01364





# Hougen

## “17,000-Series” Cutters for HMD100

These cutters are designed exclusively for the Hougen HMD 100 Mini Portable Magnetic Drill. Made of Premium H.S.S. they have a bayonet style twist lock shank for fast tool changeover requiring no tools to install in the drill's arbor. They come with a stacked tooth geometry and a 5/8" diameter cutter will drill through double 3/8" stacked plate in 45 seconds. For optimum cutter tool life and cutter efficiency use *Rotabroach Lube Stick*.

Part No.	Dia. (in)	Depth (in)
17116	1/2	3/4
17118	9/16	3/4
17120	5/8	3/4
17122	11/16	3/4
17124	3/4	3/4
17126	13/16	3/4
17128	7/8	3/4
17130	15/16	3/4
17132	1	3/4
17134	1-1/16	3/4



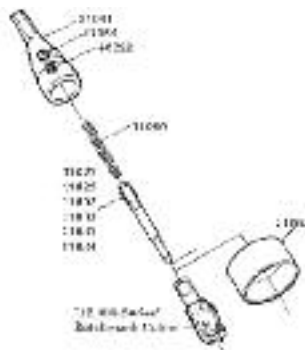
## “17,000-Series” Pilot

Part No.	Desc.	Depth (in)
17100	Pilot for HMD100	3/4

## “12,000-Series” Arbors... For Hand Held Tools

Use *Rotabroach* Cutters with stationary tools and drill presses. Triple flattened shank fits 1/2" drill chucks. Uses 1" depth of cut "12,000-Series" Cutters for materials up to 1/2" thick.

Pt. No.	Description
<b>Arbor Body</b>	
11016	Arbor assembly for 3/4" Shank Cutters (Complete w/40222 & 11054 Screws, 11069 Spring & 11041 Body)
<b>Arbor Parts</b>	
11041	Body for Assembly 11016
11054	1-4 - 28 Special Socket Head Cap Screw
11065	Optional Cup Stop for 1/2" Shank Cutters
11259	Optional Cup Stop for 3/4" Shank Cutters
11069	Ejector Spring
40222	7/16 - 14 x 0.31 Set Screw (2x)
<b>Pilots</b>	
11022	Starter Pilot for 7/16" & 12mm Cutters
11023	Piercer Pilot for 7/16" & 12mm Cutters
11032	Starter Pilot for 1/2 - 11/16" & 13 - 18mm Cutters
11033	Piercer Pilot for 1/2 - 11/16" & 13 - 18mm Cutters
11031	Starter Pilot for 3/4 - 2-1/16" & 19 - 37mm Cutters
11024	Piercer Pilot for 3/4 - 2-1/16" & 19 - 37 mm Cutters



## “12,000-Series” Arbors For Machine Tools

Convert manual and CNC machines such as drill presses, lathes and mills into fast holemakers. Three styles of holders including R-8, Straight and Morse taper accommodate Hougen's "12,000-Series" Rotabroach Cutters for materials up to 2" thick. Available with coolant inducer assembly.

Part No.	Shank Size	Hole Cap. (in)	Depth
<b>Arbor Assembly with Oil Inducer</b>			
10804	#2 Morse	1	1-1/2
10806	#3 Morse	2-3/8	1-1/2
49849	R8	2-3/8	2
49850	Straight	2-3/8	2
<b>Plain Arbor Assembly</b>			
10814	#2 Morse	1	1-1/2
10816	#3 Morse	2-3/8	1-1/2
49853	R8	2-3/8	2
49851	Straight	2-3/8	2
<b>Arbor Only</b>			
10824	#2 Morse	1	1-1/2
10826	#3 Morse	2-3/8	1-1/2
01984	R8	2-3/8	2
02072	Straight*	2-3/8	2



\*1" Diameter x 3" Long.

## “42/43,000-Series”

## “22/23,000-Series”

Produce holes up to 3-1/16" diameter thru 3" material with a portable drill using "42/43,000-Series" *Rotabroach* Cutters.

Heavy duty "42/43,000-Series" Rotabroach Cutters handle the most demanding hole production jobs using Hougen models 10915 and 10916. The "42,000-Series" has a 0.188" wall thickness; the "43,000-Series" a 0.218" wall thickness and have 3/4" or 1-1/4" Weldon Shanks depending on cutter diameter.

For added wear resistance, Hougen also offers the TIN coated "22/23,000-Series" Rotabroach Cutters, with the same features as the "42/43,000-Series" Cutters and for use on materials up to 325 BHN.

Modified end tooth geometry for drilling stacked plate is available.

Intermediate sizes are available as "grind downs" from the next larger size. Maximum grind down varies from 0.010" to 0.020" off the diameter. Due to the many variables that can affect tool performance and for special applications we recommend that you consult with a representative.

Cutter Dia. (in)	Decimal Equiv. (in)	Part No. M2	Part No. TiN M2	Max. D.O.C. (in)
<b>3/4" Diameter Shank Cutters</b>				
3/4	.7500	42024	22024	2
13/16	.8125	42026	22026	2
7/8	.8750	42028	22028	2
15/16	.9375	42030	22030	2
1	1.000	42032	22032	2
1-1/16	1.0625	42034	22034	2
1-1/8	1.1250	42036	22036	2
1-3/16	1.1875	42038	22038	2
1-1/4	1.2500	42040	22040	2
1-5/16	1.3125	42042	22042	2
1-3/8	1.3750	42044	22044	2
1-7/16	1.4375	42046	22046	2
<b>1-1/4" Diameter Shank Cutters</b>				
1-1/2	1.5000	42048	22048	2
1-9/16	1.5625	42050	22050	2
1-5/8	1.6250	42052	22052	2
1-11/16	1.6875	42054	22054	2
1-3/4	1.7500	42056	22056	2
1-13/16	1.8125	42058	22058	2
1-7/8	1.8750	42060	22060	2
1-15/16	1.9375	42062	22062	2
2	2.000	42064	22064	2
<b>1-1/4" Diameter Shank Cutters</b>				
2-1/16	2.0625	43066	23066	3
2-1/8	2.1250	43068	23068	3
2-3/16	2.1875	43070	23070	3
2-1/4	2.2500	43072	23072	3
2-5/16	2.3125	43074	23074	3
2-3/8	2.3750	43076	23076	3
2-7/16	2.4375	43078	23078	3
2-1/2	2.5000	43080	23080	3
2-9/16	2.5625	43082	23082	3
2-5/8	2.6250	43084	23084	3
2-11/16	2.6875	43086	23086	3
2-3/4	2.7500	43088	23088	3
2-13/16	2.8125	43090	23090	3
2-7/8	2.8750	43092	23092	3
2-15/16	2.9375	43094	23094	3
3	3.0000	43096	23096	3
3-1/16	3.0625	43098	23098	3



## Stick Lubricant & Cutting Fluid

Rotabroach Stick Lubricant is softer than other stick lubricants for easy application, providing superior adhesion to the tool, assuring thorough coverage. Use with ferrous or non-ferrous materials.

Super Concentrated Cutting Fluid is water soluble and yields a 10:1 ratio when mixed with water.

Part No.	Description
11741-12	(12) 1 Pint Bottles, makes 1 pint each, 12 pints total
11742-4	(4) 1 Gallon Bottles, makes 11 gallons each, 44 gal. total
11743	(1) 5 Gallon Pail, makes 55 gallons
11745-6	(6) 16 oz. Stick Lubricant
11746-24	Product display box contains (24) 1.68 oz. Mini Stick Lubricant



**Power Tools**

**Hougen**

**“11,000-Series” Cutters**

Holemaking - faster and easier than with conventional twist drills and hole saws - in sheet metal, plate materials, and plastics up to 1/2" thick. Rotabroach Cutters are precision-ground and produce clean, burr-free, round holes without deforming the surrounding material. For use in hand held drills with either 3/8" or 1/2" diameter chucks, or air feed drill spindles for production work.



Fractional Sizes			
Dia. (in)	Decimal Equivalent	Part No.	Max. D.O.C
<b>With 3/8-24 Threaded Hole</b>			
1/4	.2500	11100	1/4
9/32	.2812	11102	1/4
5/16	.3125	11104	1/4
11/32	.3438	11106	1/4
3/8	.3750	11108	1/4
13/32	.4062	11110	1/4
27/64	.4219	11111	1/4
7/16	.4375	11112	1/4
15/32	.4688	11114	1/4
1/2	.5000	11116	1/4
17/32	.5312	11118	1/4
9/16	.5625	11120	1/4
5/8	.6250	11124	1/4
11/16	.6875	11128	1/4
23/32	.7188	11130	1/4
3/4	.7500	11132	1/4
<b>With 1/2-20 Threaded Hole</b>			
13/16	.8125	11136	1/2
7/8	.8750	11140	1/2
15/16	.9375	11144	1/2
1	1.0000	11148	1/2
1-1/16	1.0625	11152	1/2
1-1/8	1.1250	11156	1/2
1-3/16	1.1875	11160	1/2
1-1/4	1.2500	11164	1/2
1-3/8	1.3750	11166	1/2
1-1/2	1.5000	11168	1/2

Fractional Sizes			
Dia. (in)	Decimal Equivalent	Part No.	Max. D.O.C
<b>With 3/8 - 24 Threaded Hole</b>			
6	.2362	11206	1/4
7	.2756	11207	1/4
8	.3150	11208	1/4
9	.3543	11209	1/4
10	.3937	11210	1/4
11	.4331	11211	1/4
12	.4724	11212	1/4
13	.5118	11213	1/4
14	.5512	11214	1/4
15	.5906	11215	1/4
16	.6299	11216	1/4
17	.6693	11217	1/4
18	.7087	11218	1/4
19	.7480	11219	1/4
20	.7874	11220	1/4
<b>With 1/2-20 Threaded Hole</b>			
21	.8268	11221	1/2
22	.8661	11222	1/2
23	.9055	11223	1/2
24	.9449	11224	1/2
25	.9843	11225	1/2

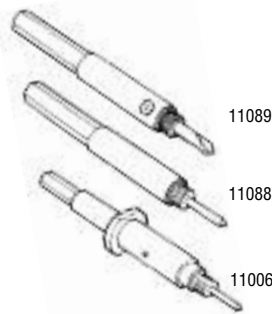
Ideal for:

- Electrical
- Piping
- Conduit Work
- Sheetmetal Fabrication
- Maintenance Installations
- HVAC
- PHCC
- Automotive Aftermarket
- Plus many other industries!

Special sizes of "11,000-Series" cutters are available on request.

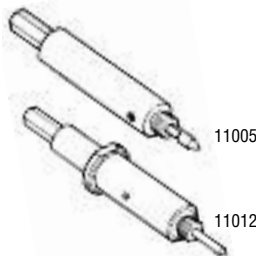
**“11,000-Series” Arbors for 3/8" Chucks**

Part No.	Description
11089	Triple Flatted for 3/8" Chuck - Skip Proof (Pilot Drill) - 3/8" Diameter, Smallest Cutter Size
11088	Triple Flatted for 3/8" Chuck
11006	Triple Flatted for 3/8" Chuck - 5/8" Drill Bushing

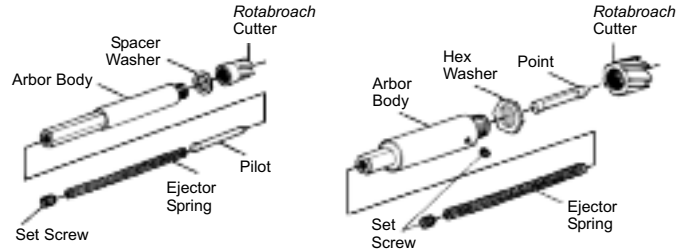


**“11,000-Series” Arbors for 1/2 Chucks**

Part No.	Description
11005	Triple Flatted for 1/2" Chuck
11012	1/2" Triple Flatted Shank for 15/16" Drill Bushing



**“11,000-Series” Arbor Replacement Parts**



Rplcmt. Parts	Arbor Assembly Part No.				
	11088	11089	11005	11006	11012
Arbor Body	90224	90225	11074	11035	11038
Pilot	11029*	13002	11028	11029*	11030
Ejector Spring	11034	11049	11047	11045	11048
Set Screw	11050	11051	11052	11050	11052
Hex Washer	-	-	03996	-	03996
Spacer Washer	11056	11056	-	11056	-
Stop Washer	11055	11055	-	-	-
Button Head Screw	-	11053	-	-	-
Stop Rod	-	11064	-	-	-
Ejector Collar	-	-	-	11059	11061
Roller Pin	-	-	-	11062	11063
Plunger	-	-	-	11058	-
Misc.	11260 Ball Spring Seat	-	11060 Pilot Set Screw	-	-

\*11029 offered in 3-pack PN 11083

**Mini Rotabroach Stick Lubricant**

Convenient 1.68 oz. is ideal for sheet metal hole cutters. Softer than standard stick lubricants, it provides superior adhesion to the tool and can be used with ferrous and non-ferrous metals.



Part No.	Description
11746	1.68 oz. Mini Stick Lubricant
11746-24	Product display box contains (24) 1.68 oz. Mini Stick Lubricant

**“14,000-Series” Holcutter™**

The “14,000-Series” Holcutters™, are not hole saws. They're precision ground, heat treated tools that easily cut thru the stock rather than ripping, tearing and pushing thru as do typical hole saws. They can produce holes three times faster and cleaner than hole saws in sheet metal and dramatically extend tool life, too.



The cutter and arbor design on the 1-3/8" to 3" diameter sizes of Holcutters provides:

- Improved chip flow
- Greater cutter reach
- Spring-loaded ejector
- Easy slug removal
- Improved wrench access
- Additional torsional strength

- continues -

## Hougen

### "14,000-Series" Holcutter (continued)

Dia. (in)	Decimal Equiv. (in)	Part No.
<b>Following Cutters Fit 14001 Arbor &amp; 13002 Pilot Drill</b>		
11/16	.6875	14022
3/4	.7500	14024
13/16	.8125	14026
7/8	.8750	14028
15/16	.9375	14030
1	1.0000	14032
1-1/16	1.0625	14034
1-1/8	1.1250	14036
1-3/16	1.1875	14038
1-1/4	1.2500	14040
1-5/16	1.3125	14042
<b>Following Cutters Fit 14004 Arbor &amp; 13006 Pilot Drill</b>		
1-3/8	1.3750	14144
1-7/16	1.4375	14146
1-1/2	1.5000	14148
1-9/16	1.5625	14150
1-5/8	1.6250	14152
1-11/16	1.6875	14154
1-3/4	1.7500	14156
1-13/16	1.8125	14158
1-7/8	1.8750	14160
2	2.0000	14162
2-1/16	2.0625	14164
2-1/8	2.1250	14166
2-1/4	2.2500	14168
2-5/16	2.3125	14170
2-3/8	2.3750	14172
2-1/2	2.5000	14174
2-9/16	2.5625	14176
2-5/8	2.6250	14178
2-3/4	2.7500	14180
2-7/8	2.8750	14182
3	3.0000	14184

All cutters are 1/8" D.O.C.

### "14,000-Series" Arbors

Part No.	Shank Dia. (in)	Fits Cutter Dia.
14001*	3/8	11/16 thru 1-5/16"
14002*	1/2	1-3/8" thru 3"
14004	1/2	1-3/8" thru Triple-Flatted w/ejector

\*Complete with washer  
\*\* Complete with 1/2-20 nut. Arbor fits discontinued series of 14044-14084 Cutters. Arbors will be available on special order only.

### "14,000-Series" Pilots

Part No.	Shank Dia. (in)	Fits Cutter Dia.
13002	3/16	14001
13006	1/4	14002 & 14004



Holecutters can improve productivity and reduce the frequency of hand injuries during assembly operations.

### "12,000-Series" Cutter Kits

Part No.	Description	D.O.C.
12001	Kit contains (2) Pilots (2) Wrenches & five Cutters (9/16, 11/16, 13/16, 15/16 & 1-1/16") in a plastic case	1"
12002	Kit contains (2) Pilots, (2) Wrenches & five Cutters (9/16, 11/16, 13/16, 15/16 & 1-1/16") in a plastic case	2"



### Electrician's & Fabricator's Kit

Part No.	Description	D.O.C.
14005	HDPE tool case contains six "14,000-Series" Holecutters (7/8, 1-1/8, 1-3/8, 1-3/4, 2 & 2-1/2") two Arbors, three Pilots, Washer, Hex Key & Instructions	1/8"



### Twist Drill Adapter Kit for Magnetic Drills

Part No.	Description	D.O.C.
03845*	HDPE tool case contains Adapter, Hex Wrench & five 118° Twist Drills (1/4, 5/16, 3/8, 7/16 & 1/2") with flatted shanks	
02608	Twist Drill Adapter with Set Screw (for 1/4" dia. shank metalworking drill bits)	
<b>118° Twist Drill w/Flatted Shank</b>		
03835	1/2" dia. Twist drill	
03837	7/16" dia. Twist drill	
03839	3/8" dia. Twist drill	
03841	5/16" dia. Twist drill	
03843	1/4" dia. Twist drill	

\* Not for use on Models 10915 & 10916



## ROTABROACH - Cutter Kits

### "11,000-Series" Small Cutter Kits

Part No.	Description	D.O.C.
11075 Fractional Kit	HDPE tool case contains 11088 Arbor Assy., Center Punch, extra Pilot, and (7) Cutters (5/16, 3/8, 7/16, 1/2, 9/16, 5/8, & 3/4")	1/4"
11077 Metric Kit	Cutter sizes (8, 10, 12, 14, 16, 18, & 20mm)	1/4"
11083	Three 11029 Pilots for 11088	
10565	Hex Wrench for 11088 Arbor	
03770	Center Punch	
04058	Replacement Case for 11075	
04059	Replacement Case for 11077	



### "11,000-Series" Large Cutter Kit

Part No.	Description	D.O.C.
11078	Large Dia. Rotabroach Cutter Kit contains 11005 Arbor Assy., extra Pilot, Center Punch, & six Cutters (7/8, 1, 1-1/8, 1-1/4, 1-3/8 & 1-1/2)	1/2"
11028	One Pilot for 11005 Arbor	
03770	Center Punch	
03996	Hex Washer	
04060	Replacement Case for 11078	



## PUNCH-PRO®

### Portable Electro-Hydraulic Hole Punchers

#### Model 75002

The 75002 is well suited for light structural applications typically done by hand-held twist drills.

#### Features:

- Single body construction incorporates the hydraulic pump
- Single phase 115V motor
- Punch automatically returns to the starting position after punching cycle is complete
- Jog down feature for hole position confirmation
- Wide variety of interchangeable punches and dies available including oblongs and special-sizes.



#### Model 75002:

- Lightweight, 19.8 lbs.
- 1.5 second punching speed
- Process flat bars, angles and channels in flange
- Maximum hole bore 11/16" in 1/4" plate
- Work stand and foot switch improves workability
- Standard equipment includes tool kit, work stand, and carrying case
- Foot switch is optional

Model No.	Pressure (Tons)	Max. Hole Size - Round (in)	Max. Thickness - Round (in)	Max. Hole Size - Oblong (in)	Max. Thickness - Oblong (in)
75002	13.2	11/16	1/4	9/16 x 13/16	1/4
	Max. Punch Throat Depth (in)	Approx. Punching Speed	Motor 115V/ 50-60 Hz AC	Wt. (less work stand) (lbs)	Ship. Wt. (approx) (lbs)
75002	1-9/16	1.5 seconds	6.8 Amp	19.8	31



**Power Tools**

**Hougen/ MK Morse®**

**Model 75003 & Model 75004**

The 75003 with its throat extension is our most versatile model. The model 75004 with a double insulated motor moves you up to punching in a 3/8" material yet is still truly portable.

**Features:**

- Single body construction incorporates the hydraulic pump
- Single phase 115v motor
- Punch automatically returns to the starting position after punching cycle is complete
- Jog down feature for hole position confirmation
- Wide variety of interchangeable punches and dies available including oblongs and special-sizes
- Work stand and foot switch further improves workability



**Model 75003**

**Unique Throat Design:** The deep throat design ability to adapt to two punch and die styles are unique features of the Model 75003. The standard punch/long die combination allows flanged sections to be "swallowed". The long punch/standard die combination allows the tooling to reach through narrow lip channel to punch the web section.

- Lightweight, 37.4 lbs.
- 2 second punching speed
- Process flat bars, angles, channels in flange and channels in web
- Maximum hole bore 25/32" in 1/4" plate
- Standard equipment includes tool kit, work stand and carrying case
- Foot switch is optional

**Model 75004**

- Lightweight, 39.6 lbs.
- Double insulated motor for added safety
- 2.5 second punching speed
- Process flat bars, angles, channels in flange and H-steel in flange
- Maximum hole bore 25/32" in 3/8" plate
- Standard equipment includes tool kit, work and carrying case
- Foot switch is optional

Model No.	Pressure (Tons)	Max. Hole Size - Round (in)	Max. Thickness - Round (in)	Max. Hole Size - Oblong (in)	Max. Thickness - Oblong (in)
75003	14.85	25/32	1/4	9/16 x 13/16	1/4
75004	22	25/32	3/8	9/16 x 13/16	3/8
	<b>Max. Punch Throat Depth (in)</b>	<b>Approx. Punching Speed</b>	<b>Motor 115V/ 50-60 Hz AC</b>	<b>Wt. (less work stand) (lbs)</b>	<b>Ship. Wt. (approx) (lbs)</b>
75003	2-5/32	2 sec.	6.8 Amp	37.4	51
75004	1-9/16	2.5 sec.	8.2 Amp	39.6	53

**Model 75005 Model 75006**

Our heaviest duty but still portable models are oriented to larger diameter hole punching in thicker material and are at home in either the shop or on the job site.

**Features:**

- Single body construction incorporates the hydraulic pump
- Single phase 115V motor
- Punch automatically returns to the starting position after punching cycle is complete
- Jog down feature for hole position confirmation
- Wide variety of interchangeable punches and dies available including oblongs and special sizes
- Work stand and foot switch further improves workability
- Eyebolts included for easy attachment to counter-balancer to maximize application performance.



**Model 75005**

- Punching speed is approximately 3 seconds
- Process flat bars, angles, channels in flange, channels in web, and H-steels in flange
- Maximum hole bore 7/8" in 3/8" plate
- Greatest throat punch depth 3-15/16" allows easy operation covering a wide area of workpieces
- Standard equipment includes tool kit and work stand
- Foot switch is optional

**Model 75006**

- Punching speed is approximately 4 seconds
- Process flat bars, angles, channels in flange and H-steels in flange
- Maximum hole diameters are 7/8" in 1/2" plate & 15/16" in 15/32" plate
- Standard equipment includes tool kit, work stand
- Foot switch optional

Model No.	Pressure (Tons)	Max. Hole Size - Round (in)	Max. Thickness - Round (in)	Max. Hole Size - Oblong (in)	Max. Thickness - Oblong (in)
75005	27.5	7/8	3/8	11/16 x 13/16	3/8
75006	34.1	15/16	1/2	11/16 x 13/16	1/2
	<b>Max. Punch Throat Depth (in)</b>	<b>Approx. Punching Speed</b>	<b>Motor 115V/ 50-60 Hz AC</b>	<b>Wt. (less work stand) (lbs)</b>	<b>Ship. Wt. (approx) (lbs)</b>
75005	3-15/16	3 sec.	12.2 Amp	77	99
75006	1-31/32	4 sec.	12.2 Amp	65	77

**MK Morse**

**Metal Devil® Metal Cutting Circular Saws**

- Cut through steel and other tough metals as easily as soft pine 2x4's
- Move through metal faster than traditional methods like abrasives wheels
- Comfortable grips reduce user fatigue
- Retractable blade guard on saw
- Enhanced blade alignment guides reduce waste from miscuts



Model No.	Volts/ Hz	Amps	No Load Speed (rpm)	Arbor Hole Size (in)	Weight (lbs)
CSM14MB	120/60	15	1,300	1	53
CSM9MB	120/60	15	2,500	1	19.75
CSM7MB	120-60	9	3,500	20mm	13



## Jet/ Kett

### Jet

#### Horizontal/Vertical Bandsaw

- Ball bearing supported blade wheel
- Adjustable ball bearing guides
- Heat-treated steel worm gear & bronze drive gear
- Automatic shut-off after cut
- Shelf built into stand

**Std. Equipment:** Vertical worktable, Rear wheels attached to stand, Adjustable material stop  
**Optional Accessories:** Replacement saw blade (414301)



Model No.	Throat Depth (in)	Vert. Workable (in)	Blade Speeds (SFPM)	Motor* (115/230V) (UL Listed)	Net Wt. (lbs)
HVBS-463	5	9-5/8 x 9-1/2	80, 120, 200	1/2 HP, 1 Ph	110

\* Prewired at 115V

#### Horizontal/Vertical Bandsaw

- UL listed motor
- Heavy cast iron bow and bed
- Roller cabinet with built-in chip tray
- Automatic shut-off after cut
- Hardened and ground worm gear
- Adjustable roller blade guides

**Std. Equipment:** Complete coolant system, Vertical worktable, Chip brush, Adjustable material stop, Bi-metal 5/8 T.P.I. saw blade



Model No.	Throat Depth (in)	Vert. Workable (in)	Blade Speeds (SFPM)	Motor* (115/230V) (UL Listed)	Net Wt. (lbs)
HVBS-7MW	7	9-3/8 x 10	85, 130, 180, 285	3/4 HP, 1 PH	318

\* Prewired at 115V

#### Industrial Bench Grinders

- UL listed
- Pre-lubricated & enclosed ball bearings
- Cast iron wheel guards & dust vents
- One-piece quick adjusting spark guards
- Large eye shields with quick adjustment Adjustable tool rests
- Heavy-duty guarded toggle switch on 8" & 10"
- Fine and coarse vitrified wheels included
- Rubber mounts prevent movement



JBG-10A

Model No.	Wheel Size (DxWxB/in)	Motor 115V	Motor (RPM)	Wheels Included/Grit	Net Wt. (lbs)
JBG-6A	6 x 3/4 x 1/2	1/2 HP, 1 Ph	3,450	36/60	32
JBG-8A	8 x 1 x 5/8	1 HP, 1 Ph	3,450	36/60	54
JBG-10A	10 x 1 x 1	1-1/2 HP, 1 Ph	1,725	24/46	110

**Note:** Bench grinding wheels, carbide grinding wheels, drill & tool sharpening wheels & wire wheels available.

#### Pedestal Stand

- Coolant tank
- Tool Tray



Model No.	Mounting Surface (LxW/in)	Overall Ht. (in)	Net Wt. (lbs)
JPS-2A	11 x 10	31	46

### Kett

#### Power Shears:

Cutting jobs are fast and quiet with Kett Power Shears. Choose the tool to suit your needs from these 16 and 18 gauge double cut shears.

##### KD-440 14 Gauge Double-Cut Shear

- Replaceable A-2 tool steel shear blades.
- Cuts C.R. mild steel 14 to 18 gauge, most grades of stainless steel to 16 gauge.
- Cuts at over 170 inches per minute.
- With the 7/32" waste strip, you get a clean burr free cut.
- Lightweight and easily maneuverable.



##### P-500 18 Gauge Pneumatic Power Shears

The double-cutting action of the P-500 cleanly cuts 18 gauge and lighter sheet metal without distortion. The 7/32" waste curl leaves both sides of the cut straight with no need to file or de-burr. Variable speed trigger lets you control speed from 0 to 180 inches per minute. Ideal for the tinner, roofer, and autobody shop.



##### K-242 16 Gauge Power Shears

These lightweight shears, designed for durability, cut 16 gauge mild steel and stainless to 18 gauge. Close clearance heavy duty blades provide smooth cutting action, without burring or buckling the material. The patented shearing action curls the waste strip into a handy coil for fast clean up, allowing maximum sheet usage. With a straight on/off switch the K-242 fills the gap between KETT's light duty and heavy-duty power shears.



##### P-542 Pneumatic 16 Gauge Power Shear

A variable speed trigger allows smooth, easy starting cuts in mild steel to 16 gauge and most grades of stainless to 18 gauge. The 7/32" waste curl leaves both sides of the cut straight, with no need to file or de-burr. At 3-1/2 pounds and 11" long the P-542 is lightweight and portable. It features the KETT 2200 rpm power unit designed for maximum efficiency at 90 PSI air pressure.



##### P-2042 16 Gauge Double-Cut Shear

KETT's all-purpose 16 gauge straight handle power shear is designed for ease and durability. This lightweight pneumatic shear fills the gap between KETT's light-gauge and heavy-gauge power shear lines. The cast aluminum shear housing is now equipped with close-clearance, heavy-duty cutting blades that are essential for handling thin sheet.



##### P-2060 Straight Handle Pneumatic Shear

The P-2060 Straight Handle Pneumatic Shear features a variable speed push lever control which provides a smooth, well balanced grip. This double-cut shear easily cuts through 18 gauge C.R. mild steel and stainless to 20 gauge, eliminating the need to file or deburr. The P-2060 delivers up to 2500 RPM's when powered by a 90 PSI air source.



Model	Head	Capacity	Max RPM	Power Source	Lgth. (in)	Wt. (lbs)
KD-440	40-20	14 ga. Mild steel/16 ga. Stainless	2500	120V	14	4
P-500	60-20	18 ga. Mild steel/20 ga. Stainless	2200	90 PSI	11	3
K-242	42-20	16 ga. Mild steel/18 ga. Stainless	2500	120V	13.5	4
P-542	42-20	16 ga. Mild steel/18 ga. Stainless	2200	90 PSI	11	3.5
P-2042	42-20	16 ga. Mild steel/18 ga. Stainless	2500	90 PSI	10.5	3.5

**Power Tools**

**Kett**

**VARIABLE-SPEED SHEARS**

Match your cutting speed to the work at hand with Kett's Variable Speed Shears. The trigger control lets you make slow starting cuts when needed, or adjust speed for lightweight or heavy metals.

**KD-442 Variable-Speed Scissor Shear**

The KD-442 variable speed shear easily cuts through 16 gauge C.R. mild steel and stainless to 18 gauge. The steel shear head has close cutting heavy duty blades that quickly cut through sheet metal, spiral pipe, metal doors and metal studs. Double cutting action provides maximum sheet usage without burring or buckling the material. At less than 5 pounds this KETT shear is both portable for location usage and durable for daily shop operations.

**P-540 Heavy-Duty Pneumatic Shears**

The P-540 takes over where the P-500 leaves off, cutting up to 14 gauge in cold-rolled steel. Its variable-speed trigger lets you make smooth, easy starting cuts even in most grades of stainless up to 16 gauge. A great time-saver in any construction company, sheet metal or sign shop.



**KC-140 Heavy-Duty Power Shears**

This double-insulated, variable-speed shear makes a 7/32" - wide cut along a straight or curved line without burring or bending the metal. It cuts mild steel up to 14 gauge and most stainless to 16 gauge. You can also cut light gauge spiral pipe and metal studs with ease. A side handle provides improved weight distribution and control. Patented shearing action curls the waste strip into a handy coil for fast clean-up.



Model	Head	Capacity	Max RPM	Power Source	Lgth. (in)	Wt. (lbs)
KD-442	42-20	16 ga. Mild steel/18 ga. Stainless	2500	120V	14.5	5
P-540	40-20	14 ga. Mild steel/16 ga. Stainless	2200	90 PSI	11	4
KC-140	40-20	14 ga. Mild steel/16 ga. Stainless	2200	120V	11-1/2	5

**SCISSOR SHEARS**

**KD-441 Variable-Speed Scissor Shear**

With a powerful 5 amp motor and speeds up to 2500 strokes per minute, the KD-441 quickly cuts through plastics, wire mesh and rubber with a clean scissors action. When cutting thin coated metals, the swiping cut seals edges and is less likely to rust or corrode. Set the speed of these shears to suit your work.



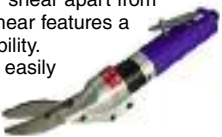
**KD-290 Scissor Shears**

Kett KD-290 Electric Terminal Strip Shears are scissor shears. Originally developed for dismantling telephone installations, the KD-290 Terminal Strip Shear saves valuable time and labor cutting the light gauge wires in terminal strips. The unique scissors action of the "duck-bill" blades cuts quickly without fouling or jamming. Made of the finest A-2 steel. The shear head rotates a full 360 degrees allowing the operator to set the blades at just the right angle for ease of operation. The KD-290 features a 5.5 AMP, 2500 RPM, single speed motor for fast and quiet cutting. These shears weigh five pounds and are 15-inches long.



**P-2080 "Rabbit Ear" Scissor Shear**

Small size and fast accurate action set this scissor shear apart from the competition. The P-2080 Pneumatic Scissor Shear features a straight-handled body design for great maneuverability. Requiring only a 90 PSI air source, this Kett shear easily cuts through pliable materials such as carpet, carpet underlayment, foam rubber, linoleum and vinyl. Only 12.25 inches long and weighing just 4 pounds, it is truly compact and portable.



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**Scissor Shears (continued)**

**KD-480 Electric Shear**

The variable-speed KD-480 features a stationary bottom blade. They are ideal for cutting a wide range of pliable materials such as: carpet, carpet underlayment, foam rubber, linoleum, vinyl, woven wood fabric, chip board, etc. The unique scissors action cuts light materials without fouling or gouging. Even handles heavy foil, light insulated wire, hardware cloth and mesh screening with ease. The large "Rabbit Ear" blades funnel thick, soft materials into the scissor jaws for a clean, flowing cut. This time and labor saving cutting shear weighs less than five pounds. The cutting blades are the finest A-2 tool steel, and can easily be replaced.



**P-580 Pneumatic Scissor Shears**

The P-580 cuts a wide range of pliable sheet materials, including carpet and carpet underlay, foam rubber, linoleum, vinyl and woven wood fabric. The large "rabbit ear" blades funnel thick, soft materials into the scissors jaws without fouling or gouging. The P-580 even handles heavy foil, light insulated wire, hardware cloth and mesh screening.



Model	Head	Capacity	Max RPM	Power Source	Lgth. (in)	Wt. (lbs)
KD-441	41-20	24 ga. Mild steel/18 ga. wire mesh	2500	120V	16	5
K-290						
P-2080	80-20	Only Pliable Materials	2500	90PSI	12.5	4
KD-480	80-20				16	4
P-580	80-20	Only Pliable Materials	2200	90PSI	12-1/2	3

**NIBBLERS AND ATTACHMENTS**

**Mid-Range Portable Power Nibblers**

**Model EHN, Electric**

Combine rugged performance with portability and maneuverability. Solid construction and sturdy design are built to last. Cuts up to 55" per minute.



**Model EHN, Electric Model AEHN, Pneumatic**

Get beefed-up performance and portability. Compact 21 pound frame and 2 HP motor go wherever you need to be. Available in electric and pneumatic models. (EHN shown)



Model	Cutting Cap.	Length (in)	Wt. (lbs)	Power/Source	Max. Speed (in/min)	Min. Radius (in)
HN	10 ga. mild steel/12 ga. stainless	12-5/8	14	1-1/4 HP motor	55	6
AEHN	3/16" mild steel/10 ga. stainless	12-3/4"	21	100 PSI air	40-45	8
EHN	3/16" mild steel/10 ga. stainless	13	21	2 HP motor	40-45	8

## Kett

### Nibblers and Attachments (continued)

### Heavy-Duty Portable Power Nibblers

#### Model MHN, Electric

This versatile performer combines speed and power – cuts 1/4" mild steel up to 60" per min. Ideal for manufacturing operations. Compact design makes it easily portable for field applications and finishing work on the fly.



#### Model SHN, Electric

Big enough to cut the heavy stuff – up to 3/8" mild steel – without adding heat to the work surface. This 3 HP powerhouse cuts through metal all day long, yet at 40 pounds, can go where other metal cutters can't.



Model	Cutting Cap.	Length (in)	Wt. (lbs)	Power/Source	Max. Speed (in/min)	Min. Radius (in)
MHN	1/4" mild steel/3/16" stainless	13-1/4	24	2 HP motor	60	10
SHN	3/8" mild steel/1/4" stainless	15	40	3 HP motor	35	12

### Attachments:

Nibbler Attachments provide total metal cutting capability when combined with Kett saws and shears. To suit your needs, Kett Nibblers are available as an attachment, kit or complete pneumatic tool.

#### PN-1000 Pneumatic Nibbler

A new straight-handled body design provides the PN-1000 with a smooth, well-balanced grip and one-handed maneuverability. Its push lever variable speed control can be depressed at any angle, allowing intricate curves in flat or corrugated metal. The swivel punch and die assembly easily cuts through 18 gauge mild steel and can be rotated 360 degrees. Requiring only a 90 PSI air source the Pneumatic Nibbler delivers up to 2500 RPM's.



#### 1020 Nibbler Attachment

The 1020 cuts intricate curves in 18 gauge sheet metal at 40 inches per minute. A unique swivel punch and die assembly can be locked in any 360-degree position to provide a clean 3/16" wide cut. Flat or corrugated metal can be cut in straight lines, or sharp or gradual curves. Changing cutting heads is fast and simple. Kett's Portable Power Saws and Shears equipped with the interchangeable Nibbler head provides total metal cutting versatility.



#### Kit 210

Features our popular K-200 Power Shears, 1020 Nibbler Attachment and carrying case.

Model	Head	Capacity	Motor	Max RPM	Power Source	Lgth. (in)	Wt. (lbs)
PN-1000	1020	18 ga. Mild steel/20 ga. Stainless	253-56	2500	90PSI	7-1/2	3
1020	1020	18 ga. Mild steel/20 ga. Stainless					1
Kit 210	60-20/1020	18 ga. Mild steel/20 ga. Stainless	253-45	2500	120V	15-1/2	11

### PANEL CUTTING SAWS

Kett can provide exactly the right saw for cutting through plastics and acrylics quickly and efficiently! Kett plastic cutting saws are designed to give you a smooth, burr-less edge without warping, chipping or distortion.

Kett panel cutting saws are specifically engineered to cut through wood, plastic and heavier materials. Whatever your application, from bus assembly to dry wall installation, there's a Kett panel saw for the job!

#### KS-423 Laminate Cutting Saw

Start where you please and cut to any desired depth up to 5/8" with the KS-423 saw. Using 2" or 2-1/2" high-speed saw blades, this highly maneuverable saw cuts through 5/8" thick panels. Great for cutting laminated tops for sinks. Change to a metal cutting blade and cut up to 16 gauge steel. The compact blade guard follows a line with ease, cutting within 1/2" of wall or obstruction.



#### KS-224 Plastic Cutting Saw

This saw, perfect for cutting acrylic plastics, has an equal-rake saw blade that leaves a smooth edge without chipping. You can cut a variety of other materials such as hardboard, plywood, siding, PVC, and even mild steel 24 gauge and lighter. Select from a range of blades to suit the job: use a smaller diameter blade for tough materials. Equal-rake saw blade part no. 157-710Z.



#### KS-221 Panel Cutting Saw

The KS-221 light duty panel saw lets you cut plastic and other soft rigid materials up to 1/4" thick; aluminum up to 1/8"; and mild steel to 18 gauge. Lightweight and highly maneuverable, the saw is great for cutting gutters, aluminum siding, autobody panels, sign-making and model shop work. Leaves a milled, ready-to-fabricate finish without burning the metal.



#### PS-523 Pneumatic Variable Speed Saw

The new PS-523 perfectly complements the full line of Kett Pneumatic saws and shears. A variable speed trigger lets you make smooth, easy starting cuts in mild steel to 16 gauge. Using 2" or 2-1/2" high-speed saw blades, this highly maneuverable saw cuts through 5/8" thick panels. With new plastic cutting blades the Kett PS-523 quickly cuts through hard or soft plastics without chipping or burring edges.



#### PSV-532 Pneumatic Vacuum Saw

The PSV-532 is a lightweight, efficient saw for cutting hazardous dust-producing materials. It comes equipped with a 2-1/2" carbide abrasive blade. The saw's vac head accepts many standard noses from canister-type or in-plant vacuum systems. Also accepts 2" or 2-1/2" high speed blades for metal or laminate panel cutting.



#### KS-23AM Plunge Master Saw

You can make plunge cuts accurately and safely using the KS-23AM with D-handle and spring-loaded retractable blade guard. This saw handles mild steel up to 16 gauge; aluminum to 3/16" thick; and plastics to 1/2". Cuts are smooth and straight, so edges don't need finishing.



#### KSV-432 Vacuum Saw

The KSV-432 has a 2-1/2" carbide abrasive blade for fast cutting of drywall, fiberglass and plaster products with dust control. The vac head accepts the nose from your shop vacuum to collect debris as you cut. Great for close quarters where plunge or straight cutouts are needed. Also accepts 2" or 2-1/2" high-speed blades for metal or laminate panel cutting.



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**Power Tools**

**Kett/ Lisle**

**Panel Cutting Saws (continued)**

**KS-4AM Panel Cutter**

This heavy-duty, D-handled saw has a 3-3/8" high-speed blade with depth control to cut up to 1" deep. You can use it on 1" plywood, both plain and laminated to a thin metal face; hard board; particleboard; and drywall panels. Great for mobile home and passenger bus assembly and maintenance, or any job requiring a tough panel cutter.



**KSV-32AM High-Speed Vacuum Saw**

The KSV-32AM Vacuum Saw effectively controls dust when cutting drywall, plaster products, fiberglass and other hazardous dust-producing materials. It accommodates 2" and 2-1/2" high-speed steel blades 2-1/2" carbide abrasive blades with cutting depths adjustable from 0 to 5/8". A side handle allows better weight distribution and control. The saw's vac head accepts many standard noses from canister type or in-plant vacuum systems.



**KSV-33AM Vacuum Master Saw**

Connect this master saw to canister-type or in-plant vacuum systems to control dust when cutting fiberglass or other hazardous materials. The saw uses 2" and 2-1/2" diameter blades with adjustable cutting depths from 0 to 5/8", and comes complete with four blades and wrenches.



Model	Head	Capacity	Motor	Max RPM	Power Source	Lgth. (in)	Wt. (lbs)
KS-423	KS-23	16 ga. Mild steel/1/2" plastic	253-49	2500	120V	17	6
KS-224	KS-24	24 ga. Mild steel/3/8" plastic	253-45	2500	120V	17	6
KS-221	KS-21	18 ga. Mild steel/1/4" plastic	253-45	2500	120V	15	5
PS-523	KS-23	16 ga. Mild steel/1/2" plastic	253-57	2200	90PSI	14	4
PSV-532	KSV-32	18 ga. Mild steel/1/2" Drywall	253-57	2200	90PSI	13-1/2	5
KS-23AM	KS-23	16 ga. Mild steel/1/2" plastic	253-10	1500	120V	18	10
KSV-432	KSV-32	18 ga. Mild steel/1/2" drywall	253-49	2500	120V	17	6
KS-4AM	KS-4	1" plastic or laminated panel	253-10	1500	120V	18	11
KSV-32AM	KSV-32	18 ga. Mild steel/1/2" drywall	253-32	2200	120V	14-1/2	7
KSV-33AM	KSV-33	16 ga. Mild steel/1/2" plastic	253-10	1500	120V	18	11
KS-21AM	KS-21	16 ga. Mild steel/1/4" plastic	253-29	1200	120V	13-1/2	5

**METAL CUTTING SAWS**

Kett designs a full range of metal cutting saws to accommodate every need in metalworking. Quiet, fast, and efficient, each saw in the line enables you to accurately control the depth of your cut while providing other features.

**PS-526 Panel Saw**

This versatile, durable saw safely cuts mild steel to 16 gauge and aluminum to 1/8" thick. Full cutting depth for plastics is 1/4" with 1-3/4" diameter blade or 3/8" with the 2" diameter blade. Just set the positive stop depth adjustment to determine the precise depth of cut.



**KS-22AM Intermediate Panel Saw**

The KS-22AM is ideal for cutting light gauge sheet metal, plastic panels, and laminated tops for sinks and furniture with adjustable cutting depths from 0 to 3/8". The milled-type finish has little burr, so there's no preparation before fabrication. Use smaller 1-3/4" diameter blades for tough jobs or 2" diameter blades for cutting up to maximum 3/8" depth through ribs and unseen braces.



**Metal Cutting Saws (continued)**

**KS-226 Panel & Cable Saw**

The KS-226 slits thin-walled metal-clad cable to aid in stripping, and can be used on either aluminum- or steel-armored cable. Its positive depth stop lets you set the saw blade to just penetrate the sheath, protecting the insulated wires from damage. The saw also cuts panels, plastic and other soft rigid materials up to 1/4" thick; aluminum up to 1/8"; and mild steel 16 gauge and lighter.



**KS-426 Panel Cutting Saw**

This variable speed saw is ideal for cutting autobody panels, mild steel to 16 gauge and other soft materials to its maximum 3/8" depth of cut. The compact cutting head gets into tough spots for plunge or edge cutting with ease. The KS-426 uses Kett's finest 1-3/4" and 2" diameter metal cutting blades for a milled finish, without sparks or burning of the surface. That makes your fabrication job fast and accurate.



**KS-25AM Metal Cutting Saw**

This heavy-duty saw cuts mild steel up to 16 gauge; hard aluminum to 1/8" thick; and soft aluminum, brass, copper, and lead to 3/16". The D-handle gives you the control to cut openings for louvers and lights in steel-clad doors. The saw also cuts plastic panels up to 3/8" thick.

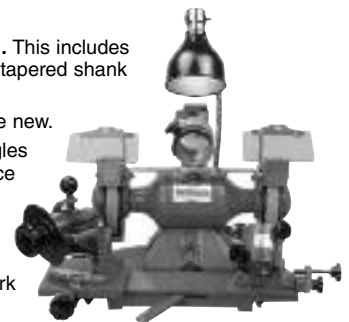


Model	Head	Capacity	Motor	Max RPM	Power Source	Lgth. (in)	Wt. (lbs)
PS-526	KS-26	16 ga. Mild steel/3/8" plastic	253-57	2200	90PSI	13-1/2	4
KS-22AM	KS-26	16 ga. Mild steel/3/8" plastic	253-29	1200	120V	13-1/2	5
KS-226	KS-26	16 ga. Mild steel/3/8" plastic	253-45	2500	120V	16	5
KS-426	KS-26	16 ga. Mild steel/3/8" plastic	253-49	2500	120V	16-1/2	6
KS-25AM	KS-26	16 ga. Mild steel/3/8" plastic	253-10	1500	120V	17-1/2	10

**Lisle®**

**92000 Drill Grinder**

- **Sharpens drill bits from 1/8" to 1"**. This includes cobalt, high speed steel, straight or tapered shank and flat bottom drills.
- **Accurate.** Sharpened drill works like new.
- **Versatile.** Adjusts to grind point angles from 90° to 180°. Grinds lip clearance from 5° to 15°.
- **Fast.**
- **Point Splitting & Web Thinning.**
- **Bench Mountable.** For a sturdy work surface.
- **Sealed Motor.** Keeps free from dirt, grime & shavings for a long life.
- **Everything Included.** No accessories are needed to begin sharpening drills immediately.



**91000 Drill Grinder**

- **Sharpens drill bits from 1/8" up to 1-1/4"**.
- The Lisle 91000 can handle drill bits as small as 1/8" up to & including 1-1/4". This machine will properly sharpen bits with straight or tapered shanks. Correct tolerances for heel clearance, chisel or web angle, and cutting lip angle are locked into position if properly set up. Adjustments for various types & sizes of bits are quickly & easily made. No guess work or estimates.



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# Metabo

## Metabo

### CORDLESS TOOLS:

#### 18 VOLT CORDLESS DRILL / SCREWDRIVER BS 18 LT

- Variospeed electronics
- Precision stop: torque coupling with precise electrical switch off to ensure extremely long lifetime for the tool
- Quick stop
- Spindle with hexagon recess for screwdriver bits
- Neck for versatile use
- Integrated working light
- Die cast aluminium gear housing
- Gear switch operable with one hand
- Multifunctional monitoring system to protect the machine and battery pack
- Air cooled technology for speedy charging and long service life
- Robust battery packs with capacity display
- 3 year battery pack warranty



Model No.	No Load Speed (rpm)	Spindle Thread (in)	Adj. Torque Control	Tool Wt. (lbs)
BS18LT	0-400	1/2 x 20 UNF	13-114 Nm	4.2

#### 18 Volt Cordless Impact Drill SB 18 LT

- Variospeed electronics
- Precision Stop: Torque coupling with precise electrical switch off to ensure extremely long lifetime for the tool
- High-performance impact mechanism for the best results
- Quick stop
- Spindle with hexagon recess for screwdriver bits
- Neck for versatile use
- Integrated working light
- Die cast aluminium gear housing
- Gear switch operable with one hand
- Multifunctional monitoring system to protect the machine and battery pack
- Robust battery packs with capacity display
- Air cooled technology for speedy charging and long service life
- 3 year battery pack warranty



Model No.	No Load Speed (rpm)	Spindle Thread (in)	Adj. Torque Control	Wt. (lbs)
SB18LT	0-400/0-1,400	1/2 x 20 UNF	13-114 Nm	4.4

### ELECTRIC TOOLS:

#### 1/2" Drill

- Aluminum die-cast gear housing
- Reversing facility
- 1/2" Geared chuck
- Metabo slip clutch
- Auto-stop carbon brushes
- Winding protection grid
- Capacity: Mild Steel = 1/2", Softwood = 1-3/16"



**Std. Equipment:** 1/2" Chuck, Chuck Key, Clamping Bushing, Side Handle

**Options:** Carrying Case

**Note:** Also available in 220V

Model No.	No Load Speed (rpm)	Amps	Rated Input Watts	Spindle Thread	Max. Torque (in. lbs)	Length (in)	Tool Wt. (in)
526	0-1100	5.0	520	1/2 x 20 UNF	106	11-1/4	5.5

#### Hammer Drill

- Variospeed full-wave electronic speed control ensures that the speed can vary from the lowest speed to the maximum.
- Thumbwheel for preselection of speed.
- Die cast aluminium gear housing.
- Maximum performance even in anti-clockwise rotation due to rotating carbon brush bridge.
- Two-speed gear unit.
- Robust Marathon motor for up to 5 times service life.
- Metabo S-automatic torque limiting clutch.
- Clockwise and anticlockwise rotation.
- Spindle with hexagon recess for screwdriver bits.
- Rubber-coated handle.
- Twist- and slip-proof additional handle for even more work safety.
- Cable-protecting ball spout for best freedom of motion when working.
- Auto-stop carbon brushes.



Model No.	No Load Speed (rpm)	No-Load Blows per Min (bpm)	Amps	Rated Input Watts	Spindle Thread (in)	Max. Torque (in. lbs)	Tool Wt. (lbs)
SBE751	0-1,000/0-3,100	0-5,9000	6.5	750	1/2 x 20 UNF	265	6.9

#### 1-in SDS-plus Rotary Hammer

- Suitable for bits and accessories with SDS-plus-plus shank end
- With the appropriate accessories, it is also suitable for bits and accessories with cylindrical shank end (no impact)
- Hammer stop
- Rotation stop
- Clockwise and anti-clockwise rotation
- Variospeed full-wave electronic speed control ensures that the speed can vary from the lowest speed to the maximum
- Robust Metabo Marathon motor
- Pneumatic high-performance hammer mechanism
- Die-cast aluminum gear housing
- Ergonomic housing design for fatigue-proof operation
- Rubber-coated handle
- Comfortable operation and safety through auxiliary handle
- Metabo S-automatic torque limiting clutch for protection against kick-backs which can occur if the bit jams
- Metabo winding protection grid deflects harmful airborne debris away from armature windings
- Auto-stop carbon brushes



Cat. No.	No Load Speed (rpm)	No-Load Blows per Min (bpm)	Amps	Rated Input Watts	Max. Torque (in. lbs)	Lgth. (in)	Tool Wt. (lbs)
KHE-D24	0-1,000	0-4,500	5.6	720	106	16.75	7.4

**Power Tools**

**Metabo**

**4-1/2-in 10,000 RPM 8.0 AMP Angle Grinder**

- Sturdy, durable Metabo Marathon motor
- Die-cast aluminum gear housing
- Metabo S-automatic torque limiting clutch for protection against kick-backs which can occur if the bit jams
- Spindle lock
- Additional Metabo VibraTech handle for vibration damping
- Adjustment of protective cover without tools
- Ergonomic shape for fatigue-proof rough grinding
- Metabo winding protection grid deflects harmful airborne debris away from armature windings
- Auto-stop carbon brushes
- Versatile applications through the extensive range of accessories



Model No.	Max. Wheel Dia. (in)	No Load Speed (rpm)	Amps	Rated Input Watts	Max. Torque (in. lbs)	Spindle Thread	Length (in)	Tool Wt. (lbs)
W8-115	4.5	10,000	8	800	19.5	5/8x11	11.75	5.4
W8-115Q	4.5	15,000	8	800	19.5	5/8x11	11.75	5.4
WP8115	4.5	10,000	8	800	19.5	5/8x11	11.75	6.2

**Quick 5-in 10,000 RPM 9.6 AMP Angle Grinder**

- Sturdy, durable Metabo Marathon motor
- Die-cast aluminum gear housing
- Metabo S-automatic torque limiting clutch for protection against kick-backs which can occur if the bit jams
- Spindle lock
- Metabo "Quick" tool quick change
- Additional Metabo VibraTech (MVT) handle for vibration damping
- Adjustment of protective cover without tools
- High torque
- Metabo winding protection grid deflects harmful airborne debris away from armature windings
- Auto-stop carbon brushes
- Versatile applications through the extensive range of accessories



Cat. No.	Max. Wheel Dia. (in)	No Load Speed (rpm)	Amps	Rated Input Watts	Max. Torque (in. lbs)	Spindle Thread	Length (in)	Tool Wt. (lbs)
W11-125	5	10,000	9.5	1,100	26.9	5/8"-11	12.25	5.8

**Excalibur—Electronic Variable Speed 6" Angle Grinder/Cut-off Machine**

- Switch with lock on capability
- Current interruption protection
- Spindle lock
- Low profile aluminum die-cast gear housing
- Variable speed controlled by adjusting dial
- Toolless guard adjustment
- 2-position side handle
- Electronic winding temperature monitor with LED display
- Metabo slip clutch
- Auto-stop carbon brushes
- Winding protection grid
- Electronic gentle start feature and speed stabilizer



**Std Equipment:** Side Handel, Wheel Guard, Inner Flange, Outer Nut, Grinding Wheel  
**Options:** Carrying Case  
**Note:** Also available in 220V

Cat. No.	Max. Wheel Dia. (in)	No Load Speed (rpm)	Amps	Rated Input Watts	Max. Torque (in. lbs)	Arbor Size (in)	Spindle Thread	Length (in)	Tool Wt. (lbs)
WE14-150 Plus	6	6,000-9,000	12.0	1400	31	7/8	5/8"-11	12	5.6

**Angle Grinder**

- Sturdy, durable Metabo Marathon motor
- High efficiency and increased torque through optimum heat dissipation
- Die-cast aluminum gear housing
- Spindle lock
- Additional Metabo VibraTech handle for vibration damping
- Main handle rotates without tools
- Protective cover adjustment without tools
- Safety lock switch helps prevent unintentional starting of the machine
- Metabo winding protection grid deflects harmful airborne debris away from armature windings
- Auto-stop carbon brushes
- Versatile applications through the extensive range of accessories



Cat. No.	Max. Wheel Dia. (in)	No Load Speed (rpm)	Amps	Rated Input Watts	Max. Torque (in. lbs)	Spindle Thread	Length (in)	Tool Wt. (lbs)
W24-230	9	6,600	15	2,400	150	5/8"-11	18	12.8

**Variable Speed 2" Die Grinders**

- Extended grinding spindle (mounted on double ball bearing in a solid steel tube)
- Ideal for sharpening and grinding in difficult-to-reach places
- Hardened and ground collect chuck for precise concentricity of tools
- Spindle lock for easy tool change
- Robust aluminum die-cast bearing flange
- Ergonomic shape for fatigue-free grinding
- Vario Constamatic full-wave electronic speed control ensures that the speed can vary from the lowest speed to the maximum (the speed remains constant under moderate load and drops under heavy load)
- Thumbwheel for preselection of speed
- Robust Metabo Marathon motor
- Metabo winding protection grid deflects harmful airborne debris away from armature windings
- Auto-stop carbon brushes
- Suitable for actuating flexible shafts
- Deadman switch



Model No.	Max. Torque (in. lbs)	No Load Speed (rpm)	Amps	Rated Input Watts	Collet Bore (in)	Length (in)	Tool Wt. (lbs)
GE700	9	7,000-27,000	6.2	710	1/4	13	4.6

**16 & 12 Gauge Shears**

- Compact tool; suitable for "one hand operation"
- Metal strip on top of body serves as rest when tool is not in use
- Auto-stop brushes
- Allows burr-free shearing, edge trimming and cutting of sheetsteel and shearing plastics
- Blades with four cutting edges require no resharping or readjustment
- Accurate cutting through heavy-duty cutting head with drop forged, hardened and ground base
- Can be mounted upside down in a bench mounting stand (30.304) for stationary use
- Suitable for occasional DC use
- Capacities for 6872: in Mild Steel = 16 GA, Stainless Steel = 18 GA
- Capacities for 6870: in Mild Steel = 12 GA, Stainless Steel = 14 GA



**Std. Equipment:** Allen Wrenches  
**Options:** Carrying Case

Model No.	Amps	Input Watts	No Load Stroke per Min (spm)	Max. Torque (in. lbs)	Min. Cutting Radius (in)	Length (in)	Tool Wt. (lbs)
6872	5.2	550	5300	26.5	5/8	9	4.8
6870	5.2	550	3000	53	3/4	11	6.0

## Milwaukee®

### Milwaukee

#### ELECTRIC POWER TOOLS

#### 1/4" Magnum® Drill

- Powerful 7.0 amp motor, 0 to 2500 rpm, variable speed control
- Heavy-duty keyed chuck
- All metal gear case and diaphragm
- 8 ft. 3-wire Quik-Lok® rubber cord for easy storage and field replacement
- 360° locking side handle
- Ergonomic tactile grip and two finger trigger for user comfort and balance



Cat. No.	Volts	Amps	No Load RPM	Net. Wt. (lbs)
0100-20	120	7.0	0-2,500	4.7

#### 3/8" Magnum® Drill

- 5.5 amp motor, 0 to 2800 rpm, trigger speed control with reversing
- Heavy-Duty industrial keyless chuck
- 8 ft. 2-wire rubber cord
- Exclusive brush cartridge system changes brushes in less than one minute



Cat. No.	Cap. Steel (in)	Volts AC Only	AMPS	No Load RPM	Gear Train	Spindle Dia. & Thread	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
0233-20		120	5.5	0-2,800	Single	3/8" - 24	10	4	5

#### 3/8" Close Quarter Angle Drill

This Milwaukee 3/8-in Close Quarter Drill is a unique design for access into tight work places where a full size drill doesn't fit. Its lightweight, paddle switch and comfortable grip make this tool feel like an extension of your hand.

- Metal framed gear train for longer gear life
- Large paddle trigger for smooth control and easy grip in any position
- Angled chuck for reaching close quarters other drills cannot reach
- Textured palm grip reduces slipping



Cat. No.	Cap. in Steel (in)	Volts AC only	Amps	No Load RPM	Gear Train	Spindle Dia. & Thread	Length (in)	Net Wt. (lbs)	Ship Wt. (lbs)
0370-20	3/8	120	3.5	0-1,300	double	1/2" - 20	11	3.9	4.8

#### 1/2" Magnum® Drill

This powerful 8.0 AMP 1/2-in Drill has the construction and performance to eliminate any other 1/2-in drill in its category.

- Powerful 8 amp motor, 0-850 RPM, variable speed control
- Heavy-duty keyed chuck
- All metal gear case and diaphragm
- 8 ft. 3-wire rubber cord
- 360 degrees locking side handle
- Ergonomic tactile grip and two finger trigger for user comfort and balance
- This item may ship in the original manufacturer's packaging



Cat. No.	Volts	Amps	No Load RPM	Depth (in)	Net. Wt. (lbs)
0300-20	120	8.0	0-850	9.81	5.90

#### 1/2" Magnum® Drill

This heavy duty Magnum drill is built for industrial/construction applications. It features raw power with a Milwaukee built 5.5 amp motor, reversing, and a Quik-Lok cord that can be quickly removed from the drill for storage or service replacement. Another exclusive feature is the brush cartridge system, with a set of spare brushes, that allows you to change brushes in less than one minute. Use this tool with a variety of accessories to drill into wood, metal, plastics and composites.

- Heavy-duty industrial chuck
- 8 ft. 3-wire Quik-Lok cord with easy detachment for storage and service
- Exclusive brush cartridge system changes brushes in less than one minute
- This item may ship in the original manufacturer's packaging.



Cat. No.	Cap. Steel (in)	Volts AC Only	AMPS	No Load RPM	Gear Train	Spindle Dia. & Thread	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
0234-6	2	120	5.5	0-950	Double	1/2" - 20	10-1/2	4.8	6.02

#### 1/2" Compact Drill

Big power in a compact drill, the Milwaukee 1610-1 is easy to use with its extra long handles. This drill is made for two handed operation which is nice for large hole drilling or material mixing, this drill has the power to handle it.

- 1/2-in capacity in steel
- 650 RPM, reversing
- Powerful 7 amp motor
- Heat treated gears are helical-cut for quiet performance
- This item may ship in the original manufacturer's packaging



Cat. No.	Cap. Steel (in)	Volts	AMPS	No Load RPM	Gear Train	Spindle Dia. & Thread	Length (in)	Net Wt. (lbs)
1610-1	1/2	120	7	650	Double	5/8" - 16	12-1/4	11.2

**Power Tools**

**Milwaukee®**

**Hole-Hawg®**

Power and torque, reversing compact design for drilling between studs and joists. Heat treated grease. All ball and roller bearings. Triple reduction gearing handles up to 4-5/8" selffeed bits

**Functional Design: Puts Force in Line w/Chuck**

- 2 Position Pipe Handle
- 3 Position Spade Handle
- 2 Speed Gear Shift (Models 1675-6 and 1676-6)
- External Brush Caps

**Accessories:** Steel Carrying Case, Type "E" Grease, Quick Change Chuck



Cat. No.	Cap. Steel (in)	Volts AC Only	AMPS	No Load RPM	Gear Train	Spindle Dia. & Thread	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
1675-6	1/2	120	7.5	300/1200	Triple	5/8" - 16	6-1/2	11-1/2	15
1676-6 kit	Same as 1675-6 but with Steel Carrying Case								
1670-1	1/2	120	7.5	900	Triple	5/8" - 16	6-1/2	11-1/2	14

**1/2" "D" Handle Hole-Shooter Reversing Right Angle Drills**

**Common Features:**

- 1/2" Trigger Speed Control Reversing
- All Ball And Roller Bearings
- Helical Cut, Heat Treated Gears
- Durable, Glass Reinforced Nylon Handles

**Exclusive Reversing Right Angle Features:**

- Use With Up To 4-5/8" Selffeed Bits (Model# 3107-6, & 3102-6 only).
- Steel Hardened Shafts
- Head And Handle Swivel 360° - Can Be Locked Tight In Any Position (Allow 5-1/2" for right angle drill head and chuck).



1107-6



3002-1

**Std. Equipment: All R.A.D's Include** - Chuck Key & Rubber Flex Key Holder. Right Angle Drive, 9/16" Open End Wrench, 3/16" Socket Wrench, Chuck Remover Bar, Side Handle and Steel Carrying Case. **Kits 3300-1 & 3107-6** also Contain 8' 3-Wire Quik-Lok Cord Set.

**Accessories:**

Quick Change Chucks for "D" Handle Drills, Type "A" Grease for "D" Handle Drills, Type "E" Grease for Magnum® Drills

Cat. No.	Cap. Steel (in)	Volts AC Only	AMPS	Uses Quik-Loc Cord No.	No Load RPM	Gear Train	Spindle Dia. & Thread	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
1107-6	1/2	120	7.0	Yes	0-500	Triple	1/2"-20	14-3/4	6-3/4	10-1/2
1250-1	1/2	120	7.0	No	0-1000	Double	1/2"-20	14-3/4	6-1/2	10-1/4

Cat. No.	Kit Type	Includes Drill No.	Cap. Steel (in)	Volts AC Only	AMPS	Drill Only RPM	RPM w/RAD Low Side	RPM w/RAD High Side	Gear Train	Ship. Wt. (lbs)
3002-1	Electrician	1001-1	1/2	120	7.0	0-600	0-400	0-900	Quad	21
3102-6	Plumber	1101-1	1/2	120	7.0	500	335	750	Quad	21-1/2
3107-6	Variable	1007-6	1/2	120	7.0	0-500	0-335	0-750	Quad	21-1/2
3300-1	Magnum®	0234-6	1/2	120	5.5	0-850	0-565	0-1275	Triple	14

**1/2" Impact Wrench**

- 300 ft./lbs. of Torque
- Forward/Reverse Rocker Switch (AC/DC) is ideal when frequent reversing is necessary
- 8' Rubber cord
- (Model 9070-20) 1/2" Pin/Detent Socket Retainer holds sockets and adapters more securely
- (Model 9071-20) 1/2" "Hog" Ring Socket retainer for frequent socket changes.



Cat. No.	Volts AC-DC	AMPS	Impacts per Min.	No Load RPM	Torque (ft/lbs)	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
9070-20	120	7.0	2,600	1,800	300	11-5/8	6.0	7.6
9071-20	120	7.0	2,600	1,800	300	11-5/8	6.0	7.6

**3/4" Impact Wrench**

- Pin/Detent Socket Retainer holds sockets and adapters more securely
- Delivers the extra torque needed for large bolts of for removing stubborn nuts
- 380 ft./lbs. of Torque
- Forward/Reverse Rocker Switch (AC/DC) is ideal when frequent reversing is necessary
- 8' Rubber cord



Cat. No.	Volts AC-DC	AMPS	Impacts per Min.	No Load RPM	Torque (ft/lbs)	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
9075-20	120	7.0	2,500	1,750	380	11-5/8	6.2	8.0

**1/2 in. Pistol Grip Dual Torque Hammer Drill**

This heavy duty pistol grip hammer drill can handle the toughest drilling of 1/2 inch holes in concrete. With dual range speed control, the operator can choose more power to speed for the toughest applications or more speed and less torque for lighter applications. Equipped with a removable side handle, the side handle also assists in setting the depth rod for pre-set hole drilling. Use for drilling in wood, with flat boring bits, hole saws, auger bits, and selffeed bits. It can also be used to drill in steel with twist bits and in concrete with percussion bits.



- 1/2 in. capacity, 7.5 amp motor
- Trigger speed control in two ranges: 0-1350 rpm, 0-22,000 bpm, 0-2500 rpm, 0-40,000 bpm, reversing
- Hammer with rotation or rotation only
- Self-stop brush system

Cat. No.	Volts AC Only	Amps	Speed	RPM	Blows per Min.	Length (in)	Net Wt (lbs)	Ship Wt (lbs)
5378-20	120	7.5	low high	1-1,350 1-2,500	0-20,000 0-40,000	13	6	7.4



## Milwaukee®

### Electromagnetic Drill Presses

- Motor and Stand Combinations
- Solid State Electronic Switching
- Feedback Speed Control
- Computer Controlled Reverse
- Full Wave Holding Power
- Superior Cutting Tool Performance
- Line Lock-Out – Prevents tool from operating should voltage be restored to an interrupted line when switch is locked in the "on" position.
- Motor/Magnet Interlock
- Automatic Base/Chip De-Mag
- Soft-Start
- For Use On Any Flat Ferrous Material 1/2" and Thicker



4208-1

Accessories: Steel Hawg® Metal Cutters

Cat. No.	Volts AC Only	AMPS	Drill Cap. (in)	Tap Cap. (in)	* Drill Point Pressure (lbs)	Wt. (lbs)
4204-1	120	7.2	1/2	5/8 - 18	1650	57
4206-1	120	12.5	3/4	1 - 14	1670	70
4208-1	120	12.5	1-1/4	1 - 14	1600	72
4210-1	120	12.5	3/4	1 - 14	1630	62

\* Drill point pressure on a 1" thick steel plate with the chuck mounted closest to the base. Values for numbers 4204-1, 4206-1 and 4208-1 are with the base adjusted to the rearward position.

#### Drill Stand Dimensions:

Cat. No.	Ht. (in)	Width (in)	Length (in)	Stand Only. Wt. (lbs)
4202	15	4-1/4	11	41
4203	17-14	4-1/4	11	49

Choose front 4 Milwaukee motors for your No. 4202 or No. 4203  
Electromagnetic Drill Stand:

Drill Motor Cat. No.	Volts AC Only	AMPS	Capacity			Chuck or Taper	Drill Point Pressure (lbs)*	Motor Wt. Only (lbs)
			Drill (in)	Tap (in)	No Load RPM			
4253-1 REV. •	120	6.2	1/2	5/8 - 18 †	600	Chuck	1610/1650	8
4262-1 REV.	120	11.5	3/4	1 - 14	350	Chuck	1630/1670	21
4292-1 REV. ‡	120	11.5	1-1/4	1 - 14	750/375	No. 3MT	1530/1600	23
4297-1 REV. ‡	120	11.5	1-1/4	1 - 14	500/250	No. 3MT	1530/1600	23

"REV." after Catalog Number indicates reversing motor.

‡ Two speed drills. • Drills except No. 4253-1 have dual mount gear case permitting reverse mounting of drill for close quarter work.

† 5/8"-11 or 1/2"-13 taps not recommended.

‡ NOTE... To adapt a 3/4" capacity chuck to 1-1/4" Drills with No. 3 internal Morse Taper Socket specify Chuck and Arbor Kit No. 49-22-1550, which consists of Chuck No. 48-66-2000 and Arbor No. 48-07-0100. Extend chuck capacity to full drill capacity by using 1/2" reduced Shank Twist Drills.

### 1-1/8" SDS Drive L-Shape Rotary Hammer



This 3-mode, grounded hammer is great for mid-size hole drilling (up to 1-1/8" diameter) in concrete. The D-style rear handle offers the operator a secure comfortable grip and a two-finger speed control trigger switch. Speed control allows smooth controlled starts and less bit walk for accurate hole positioning. The hammer accepts SDS style bits up to 1-1/8" diameter. It can drill up to 3-1/2 in. holes in concrete using thin wall Core Bits. A hammer-only mode allows this tool to be used for light chipping work. A slip clutch stops rotary action when a bit jams protecting the mechanism from overload. The tool can be set for a rotation-only mode for drilling in steel or wood.

- Grounded, 3-wire cord
- 1-1/8" solid bit capacity, 3-1/2" thin wall core bit capacity in concrete or 4 in. capacity in masonry block
- Variable speed: 0-980 rpm, 0-4,200 bpm
- Powerful 7.4 amp motor provides power for a hard-hitting 2.5 ft.-lbs. of energy per blow
- Three modes of operation: rotation with hammering, hammer-only and rotation-only. This versatile tool can be used for drilling in steel, wood or concrete. Use rotation-only for drilling in steel and wood with optional chuck and adapter. Use rotation with hammering when drilling in concrete. Use hammer-only for light chipping work.
- Speed control switch allows operator controlled starts for less bit walk resulting in more accurate hole positioning
- Lightweight, compact 14" length and well balanced design

Cat. No.	Volts AC Only	AMPS	No Load RPM	No Load Blows Per. Min.	Solid Bit Cap. (in)	Core Bit Cap. (in)	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
5359-21	120	7.4	0-980	0-4,200	1-1/8	4	14	8.3	14.5

### 2" SDS-Max Rotary Hammer

Large electric hammer used for drilling large holes or breaking concrete and asphalt, bushing, driving ground rods, scraping floors, digging, and tamping. This heavy-duty tool has an in-line design which provides more comfortable use when working on floors. An excellent system of vibration absorption/reduction reduces operator fatigue. The side handle can be attached to the rear switch handle which minimizes bending over. Other features include a service reminder light, soft-grip handles, and easy access for maintenance. The SDS-max bit holder system allows chisels to be positioned most efficiently in relationship to the work.



- High blow energy: 19.9 ft.-lbs.
- User friendly vibration isolation system
- Heavy-duty robust construction
- In-line design with 3 side handle positions
- Variable speed control dial
- Service reminder light
- Soft grip on all handles
- Uses standard SDS-max accessories
- This item may ship in the original manufacturer's packaging.

Cat. No.	Volts AC Only	AMPS	RPM	No Load Blows Per. Min.	Net Length (in)	Wt. (lbs)
5342-21	120	15	975-1950	975-1,950	27.5	26.2

**Power Tools**

**Milwaukee®**

**1" Compact SDS Plus Rotary Hammer with Anti-Vibration System**



For contractors and tradesmen that repetitively drill into concrete, the 5363-21 delivers unmatched performance and ergonomics. The unique Anti-Vibration System significantly reduces vibration. The compact L-shape design makes it well balanced, easy to control and ideal for overhead drilling and anywhere that requires access to tight spaces. The 5363-21 provides fast drilling and powerful chipping for increased jobsite productivity. This compact rotary hammer also features a high power motor and a rotating brush plate which provides equal power in forward and reverse for easy removal of jammed bits and extended brush life. The all metal, magnesium gear case and block construction provide precise bearing and gear seating for long-term durability. With three modes of operation (hammer-drill, drill only, and chipping) this hammer provides maximum versatility in a compact package.

- High power 7.0 amp reversible motor delivers 2.0 ft-lbs of impact energy, 0-5,980 bpm and 0-1,400 rpm
- All metal gear case and block construction for optimal bearing and gear seating
- Anti-Vibration System, soft grip handle and two-finger trigger for optimal operator comfort
- Three modes of operation - Hammer Drill / Drill / Chipping for maximum versatility
- Rotating Brush Plate for equal power in forward and reverse for easy removal of jammed bits and extended brush life
- Compact and lightweight, L-shape design provides excellent balance and positions hand directly behind the bit for maximum control especially in overhead drilling applications

Cat. No.	Volts AC Only	Amps	No Load Blows Per. Min.	No Load RPM	Solid Bit Cap. (in)	Core Bit Cap. (in)	Length (in)	Net Wt. (lbs)	Ship Wt. (lbs)
5363-21	120	7	0-5,980	0-1,400	1	2.5	12-1/4	8	12

**1-3/4" SDS-Max Rotary Hammer**



The 1-3/4-in SDS-max Rotary Hammer features a motor that provides optimal power for the toughest concrete drilling and demolition applications. 8.8 ft.-lbs. of impact energy, this hammer delivers fast drilling and hard hitting performance. Features such as AVS Anti-Vibration System, mechanical clutch, and advanced electronics provide ease of use and overall long-term durability for the user.

- 14 Amp, 1,300 MWO Milwaukee motor provides best-in-class power and high overload protection
- 8.8 ft.-lbs. impact energy with heavy-duty crank piston mechanism delivers hard hitting performance
- 450 RPM and 2,840 BPM delivers fast drilling even in the toughest concrete
- 2-speed impact mode for light materials
- Constant Power Technology maintains drilling speed and power when the tool is under load
- Mechanical clutch protects the gears and provides added control
- Anti-Vibration System (AVS) actively reduces user vibration and increases productivity

Cat. No.	Volts AC Only	Amps	No Load Blows Per. Min.	No Load RPM
5426-21	120	14	2,200/2,840	350/450

**2" Spline Drive Rotary Hammer**

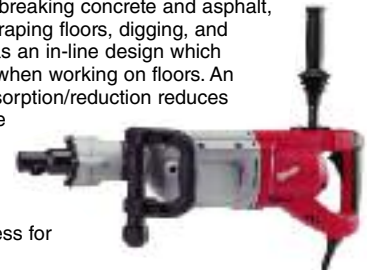


Large electric hammer used for drilling large holes or breaking concrete and asphalt, bushing, driving ground rods, scraping floors, digging, and tamping. This heavy-duty tool has an in-line design which provides more comfortable use when working on floors. An excellent system of vibration absorption/reduction reduces operator fatigue. The side handle can be attached to the rear switch handle which minimizes bending over. Other features include a service reminder light, soft-grip handles, and easy access for maintenance.

- High blow energy: 19.9 ft.-lbs.
- User friendly vibration isolation system
- Heavy-duty robust construction
- In-line design with 3 side handle positions
- Variable speed control dial
- Service reminder light
- Soft grip on all handles
- Uses standard spline and round/hex accessories
- This item may ship in the original manufacturer's packaging.

Cat. No.	Volts	Amps	No Load Blows Per Min.	No Load RPM	Length (in)	Net. Wt. (lbs)	Ship. Wt. (lbs)
5340-21	120	15	975-1,950	125-250	27.5	26.2	45

**3/4 in. Hex Demolition Hammer**



Large electric hammer used for breaking concrete and asphalt, bushing, driving ground rods, scraping floors, digging, and tamping. This heavy-duty tool has an in-line design which provides more comfortable use when working on floors. An excellent system of vibration absorption/reduction reduces operator fatigue. The side handle can be attached to the rear switch handle which minimizes bending over. Other features include a service reminder light, soft-grip handles, and easy access for maintenance.

- High blow energy: 19.9 ft.-lbs.
- User friendly vibration isolation system
- Heavy-duty robust construction
- In-line design with 3 side handle positions
- Variable speed control dial
- Service reminder light
- Soft grip on all handles
- Lock-on trigger
- Uses standard 3/4-in hex hammer iron
- This item may ship in the original manufacturer's packaging.

Cat. No.	Volts AC Only	Amps	No Load Blows Per. Min.	Length (in)	Net. Wt. (lbs)	Ship. Wt. (lbs)
5337-21	120	14	975-1,950	27.5	27.75	37.23

## Milwaukee®

### Tilt-Lok™ 7-1/4" Circular Saw

The Tilt-Lok handle on Milwaukee's 6390-20 is the most revolutionary concept for circular saws in years. The eight position cushioned top handle adjusts to any cutting application maximizing comfort and control. Weighing in at 10.4 pounds and delivering 3.25 maximum horsepower, this tool offers the best power to weight ratio in the industry. The blade can bevel to 50 degrees and offers superior visibility and a clear sight line from either side. Helical steel gears and a 22 amp switch are just two of the features that ensure the Milwaukee's reputation for durability.

- New exclusive Tilt-Lok main handle adjusts to the work or most comfortable work position
- 3.25 maximum horsepower saw reduces operator fatigue, easier to handle
- Most powerful circle saw cuts tough materials including headers, microlams and wet lumber with ease
- Wide, clear sight line - superior blade visibility from either side



Cat. No. (in)	Blade Size (in)	Volts AC-DC	Amps	No Load Speed RPM	Arbor (in)	Depth of Cut (in)			Net Wt. (lbs)	Sip. Wt. (lbs)
						@ 90°	@ 50°	@ 45°		
6390-20	7-1/4	120	15.0	5,800	5/8	2-7/16	1-11/16	1-13/16	10.4	14.1

### 10-1/4-in Circular Saw

The 6470-21, 10-1/4-in Circular Saw is built with the power and capacity to handle the most extreme cutting applications. The powerful 15 Amp, 5,200 RPM motor delivers maximum power for high performance cutting without bogging down under load. An aircraft aluminum shoe will not bend or warp in extreme cutting applications. The electric brake increases productivity by stopping the blade in seconds. These heavy duty features combined with the 3-13/16-in depth of cut capacity and 60 degree bevel capacity make the 6470-21 the most popular 10-1/4-in circular saw in the industry.

- Powerful 15 Amp, 5,200 RPM motor delivers maximum power for high performance cutting without bogging down under load
- 3-13/16-in depth of cut capacity provides enough capacity to cut 4-in material in a single pass
- Aircraft aluminum shoe will not bend or warp in extreme cutting applications
- Electric brake increases productivity by stopping the blade in seconds
- 60 degree bevel capacity provides maximum bevel capacity for cutting roof rafters, trusses, and joists



Cat. No.	Blade Volts AC-DC	AMPS	No Load Speed RPM	Arbor Size (in)	Depth of Cut (in)		Net Wt. (lbs)
					@ 90°	@ 45°	
6470-21	120	15	5,200	5/8	3-13/16	2-3/4	17.8

### 7-1/4" Worm Drive Circular Saw

Milwaukee Circular Saws are preferred by professionals for power and performance. Powered by a 15 amp motor this saw cuts fast without bogging down or stalling. Hardened steel worm gearing provides maximum torque in the toughest applications. This saw has fast, smooth adjustments and easy-to-read scales and adjustable bevel pointer.



- 15 Amp, 4,400 RPM motor delivers strong cutting without bogging down
- Composite shoe offers the end user a durable, light weight shoe that will not bend, kick up a burr or mar the work surface
- Oil site glass allows user to easily maintain proper oil level and extend life of the saw
- Highly visible scales for quick, accurate depth and bevel adjustments
- Maximum sight line provides user with optimal line of sight for controlled, accurate cuts

Cat. No.	Blade Size (in)	Volts AC-DC	AMPS	No Load Speed RPM	Depth of Cut (in)		Net Wt. (lbs)	Ship. Wt. (lbs)
					@ 90°	@ 45°		
6477	7-1/4	120	15.0	4,400	2-7/16	1-25/32	14.3	19

### 12" Dual-Bevel Compound Miter Saw

The 6950-20 12-in Dual-Bevel Compound Miter Saw offers best in class accuracy, power and ease of use. The Miter Angle Fine Adjust with Detent Override makes it simple to dial-in precise miter angles. Dual Integral Jobsite Lights fully illuminate the work piece and cut line from either side of the blade. The motor provides increased power for high performance cutting in hard lumber. Constant Power Technology with Soft Start maintains constant cutting speed under load and decreases start up head movement. The Integral Dust channel captures up to 75% of the dust and debris cut.



- Miter Angle Digital Readout - provides repeatable accuracy to 0.1 degrees
- Miter Angle Fine Adjust with Detent Override - makes it simple to dial-in precise miter angles
- Dual Integral Jobsite Lights - fully illuminate the work piece and cut line from either side of the blade
- Powerful 15.0 Amp, 3.3 Max HP Direct Drive Motor - provides increased power for high performance cutting in hard lumber
- Constant Power Technology with Soft Start - maintains constant cutting speed under load and decreases start up head movement
- Integral Dust Channel - captures up to 75% of the dust and debris cut
- Oversized Single Lever Bevel Adjustment with (9) Positive Bevel Stops allows the saw to easily bevel left and right 0 degrees - 48 degrees and provides fast and accurate adjustments
- This item may ship in the original manufacturer's packaging.

Cat. No.	VOLTS AC Only	AMPS	No Load RPMS	Arbor (in)	Net Wt. (lbs)	Ship Wt. (lbs)
6477-20	120	15.0	3,200	5/8	55	64



**Power Tools**

**Milwaukee®**

**12" Dual-Bevel Sliding Compound Miter Saw**

The 6955-20 12-in Dual-Bevel Sliding Compound Miter Saw offers best in class accuracy, power and ease of use. The Miter Angle Fine Adjust with Detent Override makes it simple to dial-in precise miter angles. Dual Integral Jobsite Lights fully illuminate the work piece and cut line from either side of the blade. The motor provides increased power for high performance cutting in hard lumber. Constant Power Technology with Soft Start maintains constant cutting speed under load and decreases start up head movement. The Integral Dust channel captures up to 75% of the dust and debris cut.



- Miter Angle Digital Readout - provides repeatable accuracy to 0.1 degrees
- Miter Angle Fine Adjust with Detent Override - makes it simple to dial-in precise miter angles
- Dual Integral Jobsite Lights - fully illuminate the work piece and cut line from either side of the blade
- Powerful 15.0 Amp, 3.3 Max HP Direct Drive Motor - provides increased power for high performance cutting in hard lumber
- Constant Power Technology with Soft Start - maintains constant cutting speed under load and decreases start up head movement
- Integral Dust Channel - captures up to 75% of the dust and debris cut
- Dual Horizontal Steel Rails with Three Large Linear Bearings-deliver smooth sliding action
- Oversized Single Lever Bevel Adjustment with (9) Positive Bevel Stops allows the saw to easily bevel left and right 0 degrees - 48 degrees and provides fast and accurate adjustments
- This item may ship in the original manufacturer's packaging.

Cat. No.	Volts AC Only	AMPS	No Load Speed RPM	Arbor (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6955-20	120	15	3,200	5/8	65	76

**15 Amp 8-1/4 in. Panel Saw**

Milwaukee's 8-in Panel Saw is an ideal tool for lumber yards with its quick and easy solution to cutting up to 4 foot x 8 foot sections of sheet goods to size. The saw also features an innovative horizontal handle for convenient on/off saw operation. The 6480-20's frame is made from tough, electrically welded steel to ensure it won't warp or twist. The powerful motor is mounted on a carriage that moves horizontally with minimal effort on graphite-impregnated nylon roller bearings which require no lubrication. The saw can also be turned 90 degrees and fixed to make vertical cuts. Horizontal and vertical scales provide quick and accurate cuts. The material being cut can be loaded from either the left or right side and gently rolls through the saw on a smooth acting roller mechanism. The Panel Saw is not recommended for ripping panels larger than 4 foot x 8 foot.



- Rigid all steel frame, square tubing is electrically welded to prevent warping or twisting
- Comfortable horizontal handle for convenient on/off operation
- 20 amp commercial-grade paddle switch for durability and long life
- Cutting accuracy to within 1/32 in. in either cross-cutting or ripping directions

Cat. No.	VOLTS AC-DC	AMPS	No Load Speed RPM	Blade Size (in)	Arbor Size (in)	Cap. Thkns. (in)	Overall Ht. (in)	Overall Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6480-20	120	15	5,800	8-1/4	5/8	1-3/4	70	60	180	185

**Orbital Jig Saw**

The Milwaukee Orbital Jig Saw 6268-21 with LED light provides the ultimate accuracy, power, ergonomics, and versatility. The saw features an LED light for improved visibility of sight lines and a precision roller blade guide that yields the most accurate cuts of any shape. A cushion grip handle and counter balanced mechanism for low vibration provides optimal user comfort. The Quik-Lok blade clamp, keyless shoe adjustment of up to 45 degrees in both directions, and extra long 12 ft. 8-in cord provide ultimate versatility.



- LED light for improved sightline
- Powerful 6.5 amp motor
- Orbital action with 4 adjustment levels and 1-in stroke length for faster cutting
- Variable speed trigger - 0-3,000 SPM
- Variable speed dial for repetitive cuts
- Quik-Lok blade change system
- Keyless shoe adjustment - 45 degrees in both directions
- Precision roller blade guide for accurate cuts
- Counter balanced for reduced vibration
- Tachometer feedback for constant cutting speed
- Cushion grip for superior gripping and control

Cat. No.	VOLTS	AMPS	Strokes Per Min.	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6268-21	120	6.5	0-3,000	9.5	6.4	6.35

**Body Grip Orbital Jig Saw**

Milwaukee's 6276-21 Orbital Jig Saw is the highest powered Jig Saw in the industry. The Jig Saw has a 1 inch blade stroke with a 4-position orbital cutting action and 7 setting speed dial with 500 to 3,000 strokes per minute for fast cutting when you need it. A sturdy 6.25-inch cast aluminum base provides greater stability and the base plate has the tightest distance to nose of saw for cutting in tight corners. A keyless 45° bevel shoe adjusts quickly for angle cuts. The low position roller guide ensures blade stability and a precision cut. The Quik-Lok™ blade change system allows quick blade changes without the use of any tools. The built-in dust collection port allows attachment to a vacuum.



- Powerful 6.2 amp motor
- Orbital action with 4 adjustment levels for faster cutting
- 7 setting dial speed control 500-3000 SPM
- Quik-Lok™ blade change system
- Keyless 45° bevel adjustment
- 10 position dust blower and built-in dust collection port for easy attachment to vacuum
- Die cast aluminum shoe and all metal gear case
- Low position roller guide for blade stability and precision cuts
- Counter balanced for reduced vibration

Cat. No.	Volts AC Only	AMPS	Strokes Per Min.	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6276-21	120	6.2	500-3,000	11-3/4	5	8.4



## Milwaukee®

### 15.0 Amp Super Sawzall® Recip Saw

The 15.0 Amp Super Sawzall® Recip Saw is the fastest, most durable recip saw in the world. It is the first Sawzall® Recip Saw to include

Constant Power Technology™ which maintains constant speed and power under load for unmatched cutting performance. The 15.0 amp motor provides the industry's highest overload protection. The patented Gear Protecting Clutch extends gear and motor life by absorbing high impact forces caused by sudden blade lock-ups. The patented Counter Balance Mechanism reduces user vibration.

- 15.0 Amp Milwaukee Motor - highest overload protection in the industry; prevents motor burn up / failure
- Constant Power Technology™ - maintains constant speed under load for unmatched cutting performance
- Patented Gear Protecting Clutch - extends gear and motor life by absorbing high impact forces caused by sudden blade lock-ups
- Patented Counter Balanced Mechanism - smoothest running, lowest vibrating reciprocating saw in the industry
- Variable Speed Trigger and Dial Speed Control - maximum speed control
- Quik-Lok™ Blade Clamp System - provides fast and easy blade changes



Cat. No.	Volts AC Only	AMPS	Strokes Per. Min.	Length of Stroke (in)	Overall Length (in)	Net Wt. (lbs)	Ship Wt. (lbs)
6538-21	120	15	0-2,800	1-1/4	18-3/4	9.8	14.4

### Sawzall® Recip Saw Kit

The 6519-31 Sawzall® Recip Saw delivers best in class cut speed, durability and power with 0-3,000 strokes per minute, a 1-1/8" stroke

length and a 12 Amp motor. The gear protecting clutch extends gear and motor life by absorbing high impact forces and a QUIK-LOK® blade clamp offers fast tool-free blade changes. To provide greater user comfort, a counter weighted mechanism reduces vibration for smoother operation and a redesigned front grip area provides best in class ergonomics.

- Powerful 12 Amp Motor: Delivers 0-3,000 SPM for high performance cutting in a variety of materials
- 1-1/8" Stroke Length: Provides maximum cutting speed
- Gear Protecting Clutch: Extends gear and motor life by absorbing high impact forces caused by blade lock-ups
- Counter Weighted Mechanism: Provides reduced vibration for smoother operation
- QUIK-LOK™ Blade Clamp: Provides fast, tool-free blade changes



Cat. No.	AMPS	Length of Stroke (in)	Strokes Per Min.	Overall Length (in)	Net. Wt. (lbs)	Ship Wt. (lbs)
6519-31	12	1-1/8	0-3,000	19	7.1	11.8

### Portable Band Saw

Milwaukee's Band Saws are the choice of professionals. With high torque and powerful motor this band saw will maintain a steady, optimum blade speed. The excellent balance, high visibility and quick blade change system make this band saw easy to work with. Using an all ball and roller bearing construction, and worm gear and chain drive mechanism this tool is built to last. A self-lubricating system is used for maximum wear resistance and long life. No oiling is needed.



- Two-speeds: 200 and 250 sfpm
- Uses standard 44-7/8 in. x 1/2 in. x .020 in. band saw blades

Cat. No.	No Load Surface Ft. Per. Min.	Volts	AMPS	Length (in)	Maximum Capacity (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6225	250/200	120 AC Only	6/5	20	3-1/2 x 4-1/2	16	20

### Deep Cut Band Saw

Milwaukee continues to deliver on its long heritage of durability, performance and productivity in the band saw category. Milwaukee Band Saws deliver the industry's best performance.

Building on Milwaukee's existing reputation of long term reliability, key features such as the blade guide bearings, material guide and blade guards have been improved for maximum performance. Milwaukee Band Saws - unmatched performance, reliability and serviceability.



- 0-420 SFPM - Up to 40% faster cuts
- 4-7/8" Cutting Capacity - deep cut capacity for various materials
- Updated Main Handle Design - optimized for balance and control
- Variable Speed Dial & Trigger - adjusts the speed for different materials
- Multi-Grip T-Handle - provides multiple grip options for increased control in any application
- Updated Blade Bearing Design - improved durability with 8 large ball bearings
- Rear Blade Guard - 30% thicker steel protects the guard from bending or pinching during material break-through
- Adjustable Material Guide - durable steel guide that is adjustable for different materials
- 2-Finger Variable Speed Trigger - ability to start the cut slowly for accuracy

Cat. No.	No Load Surface Ft. Per. Min.	Volts	AMPS	Length (in)	Max. Cap. (in)	Net. Wt. (lbs)	Ship. Wt. (lbs)
6230N	0-420	120 AC Only	10.5	19.75	4-7/8 x 4-7/8	17.5	20.81

**Power Tools**

**Milwaukee®**

**14" Abrasive Cut-Off Machine**

Power, performance, durability for fast, portable cutting of drywall tracking, angle iron, conduit, pipe, channels, tubing, rebar and more...

For use with abrasive cut-off wheels (14" x 3/32" x 1")

- Rugged steel and high strength nylon construction keeps durability high and weight low
- All ball bearing construction for longer life
- One piece carrying handle
- Spindle lock for convenient changing of abrasive wheels
- Pivoting wheel guards
- Easily accessible brushes
- Wheel rotation directs particles away from the operator
- Heavy-duty pivot arm spring for smooth, accurate cutting
- Arm locks down for easy portability
- Quick release locking vise



**Std. Equipment:** Includes Vise, Abrasive Wheel and Hex Wrench.

Cat. No.	Wheel Size (in)	Volts	AMPS	Max. Power Output (Watts/HP)	No Load RPM	Arbor Size (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6176-20	14	120 AC only	15	2400/3.2	3900	1	47.5	51.25
6175-6	14	120 AC/DC	15	3000/4.0	3500	1	35.4	44.5

CAPACITIES (in)				
Cat. No.	O. D. Pipe Dia. (in)	Bar Stock (in)	Square Stock (in)	Max. Opening (in)
6176-20	5	3-5/8	5	9
6175-6	4	2-9/16	5	9

**14" Hand-Held Cut-Off Machine**

The Milwaukee 6185-20 hand-held cut-off machine features a powerful motor making it ideal for heavy-duty concrete and metal cutting applications. The tool is protected from overload and premature failure in extreme cutting applications. Rather than trip a remote panel breaker, the overload protection switch trips the tool which can be reset after 60 seconds minimizing down-time. For added durability, the tool features a durable, epoxy coated armature and field and externally accessible brushes with a special "brush cut-out" feature which protects the armature as the brushes wear down.



- Powerful 15 amp, 4,600 rpm, 4.8 max HP Milwaukee-built motor with epoxy-coated armature and field
- Durable, 20 amp overload protection switch protects the motor from overload, trips the tool not a remote breaker
- Downward cutting rotation pulls the tool through the work, minimizes jamming/kickback and provides clear sight-line
- Comfortable main grip, tactile, oversized side handle and comfortable 2-finger, 1-step trigger

Cat. No.	Wheel Size (in)	Volts AC/DC	AMPS	Max HP	No Load RPM	Arbor Size (in)	Max Cap. (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6185-20	14	120	15	4.8	4,600	1	4-7/16	27.3	32.3

**Heavy-Duty Drywall Screwdrivers**

- Ramp-off depth indicator
- Quiet snap-action clutch
- All metal gear case and diaphragm
- Ergonomic tactile grip and 2-finger trigger
- Removable belt clip with integral bit storage
- Improved guidance system for less run-out
- Variable speed control
- Maximum bit tip stability
- 10' Fixed, double insulated 2-wire rubber cord on models 6742-20 and 6740-20
- 50' Fixed, grounded 3-wire rubber cord with twist lock plus on model 6743-20



**Std. Equipment:** #2 Drywall Bit Tip, Magnetic Bit Tip Holder, Belt Clip, Drywall Depth Locator Assembly

**Options:** Lock-Prevent Button, Carrying Case

Cat. No.	Replaces Cat. No.	Volts	Amps	No Load RPM	Depth (in)	Net Wt. (lbs)
6740-20	D6747-1	120	6.5	0-2500	9.81	4.19
6742-20	D6758-6	120	6.5	0-4000	9.81	4.05
6743-20		120	6.5	0-4000	9.81	7.44

**Self-Drilling Fastener Screwdrivers**

- Quiet snap-action clutch
- Variable speed control
- 10' Fixed, double insulated 2-wire rubber cord
- All metal gear case and diaphragm
- Ergonomic tactile grip and 2-finger trigger
- Removable belt clip with integral bit storage
- Improved guidance system for less run-out



**Std. Equipment for 6790-20:** 5/16" Hex Socket Driver, Belt Clip, Self Drill Fastener Depth Locator Assembly. **For 6791-21:** Belt Clip, Drywall Depth Locator Assembly, Self Drill Fastener Depth Locator Assembly, #2 Drywall Bit Tip, Magnetic Bit Tip Holder, 3 Piece Slotted Bit Set, 3 Piece Hex Socket Driver Set, Steel carrying Case with Tray.

Cat. No.	Replaces Cat. No.	Volts	Amps	No Load RPM	Depth (in)	Net Wt. (lbs)
6790-20	D6798-6	120V	6.5	0-2500	9.81	4.53
6791-21	D6767-6	120V	6.5	0-2500	14.00	11.71

**Adjustable Clutch Screwdrivers**

- Variable speed control
- Multi-position torque sensitive clutch
- 10' Fixed, double insulated 2-wire rubber cord
- All metal gear case and diaphragm
- Ergonomic tactile grip and 2-finger trigger
- Removable belt clip with integral bit storage
- Model 6581-20 is excellent for frame construction



**Std. Equipment for 6580-20:** 1/4" Bit Tip Holder, Non-Magnetic, #2 Phillips Bit Tip, 6-7 3-1/2" Slotted Bit, 10-12 3-1/2" Slotted Bit, Belt Clip, 10' 2-wire Quik-Lok Cord. **For 6581-20:** Belt Clip, 10' 2-wire Quik Lok Cord, 5/16" Hex Socket Extension

Cat. No.	Replaces Cat. No.	Volts	Amps	No Load RPM	Torque (in-lbs)	Depth (in)	Net Wt. (lbs)
6580-20	D6583-1/D6543-1	120	6.5	0-1200	10-120	13.00	4.80
6581-20	D6783-1	120	6.5	0-2500	10-90	13.00	4.78

## Milwaukee®

### 1-3/4 Max HP BodyGrip® Router

Get the upper hand! with Milwaukee's BodyGrip® Routers featuring the industry's first tactile handgrip designed into the base of the router, a fast, accurate linear depth adjustment system, a patented above-the-table depth adjustment mechanism, and a carrying case with integral RouterStation™.



- Exclusive BodyGrip® Design
- 1-3/4 Max HP, 11 Amp, 24,000 RPM Milwaukee Motor
- Exclusive Linear Depth Adjustment System
- 1/4" and 1/2" premium self-releasing collets

Cat. No.	Volts AC-DC	AMPS	No Load Speed RPM	Collet Dia. (in)	Depth Adj. (in)	Overall Ht. (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
5615-20	120	11	24,000	1/4- 1/2	1-21/32	8.5	8.8	10.85

### 1/4- Sheet Palm Sander

Milwaukee's 1/4-Sheet Palm Sander produces a fine, swirl-free finish. The sander is designed for comfort with a tactile rubber top and body grip surface and a narrow sander body. Large paper clamp tabs allow for effortless paper changes.



- 3.0 Amp Permanent Magnet Motor with 14,000 Orbits Per Minute— Powerful, light weight motor produces dependable speed and power
- Pad Cushioning and Break- Reduces swirl marks and ensures a smoother finish
- Tactile Rubber Top and Body Grip Surface and Narrow Sander Body- Ergonomic design provides added comfort and control and reduces user fatigue from any angle
- Large Paper Clamp Tabs -Allows for effortless paper changes
- Integrated Vacuum Ports -Fits 1-1/4" or 2-1/4" hoses for efficient dust removal
- In-Line Dust Port with Flexible Dust Collection Bag- Captures maximum amount of dust without compromising site line
- Removable Top- Allows for easy service and brush replacement

Cat. No.	Sandpaper Size (in)	Pad Size (in)	Volts AC Only	AMPS	Orbits Per Min. (No Load)	Dia. of Orbit (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6020-21	1/4	4-1/4x4	120	3	14,000	1/16	3.3	7.51

### 5" Random Orbit Palm Sander

Milwaukee's 5" Random Orbit Palm Sander produces a fine, swirl-free finish. The motor produces dependable speed and power and features electronic soft start and a variable speed dial. The sander is designed for comfort with a tactile rubber top and body grip surface and a narrow sander body.



- 3.0 Amp Permanent Magnet Motor- Powerful, light weight motor produces dependable speed and power
- Variable Speed Dial: 7,000-12,000 Orbits Per Minute- Match optimal sanding speed to various applications
- Electronic Soft Start- quickly, steadily ramps the motor up in stages, thus reducing tool jerking and wear on the brushes and bearings
- Pad Cushioning and Break- Reduces swirl marks and ensures a smoother finish
- Integrated Vacuum Ports- Fits 1-1/4" or 2-1/4" hoses for efficient dust removal
- Tactile Rubber Top and Body Grip Surface and Narrow Sander Body – Ergonomic design provides added comfort and control and reduces user fatigue from any angle

Cat. No.	Volts AC Only	AMPS	Orbit Dia. (in)	Orbits Per Min.	Sandpaper Pad Size/Type Required (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6021-21	120	3	3/32	7,000-12,000	5	3.3	8.11

### Bandfile

Grind, Deburr, Blend, Clean, Polish, Surface, Condition

- 1/2" x 18" Contact Arm
- 180° Adjustable Head
- 3 Position Side Handle

**Std. Equipment:** Includes Side Handle, 1/2" Arm and Belt Assortment .

**Accessories:** Milwaukee Bandfile Belts, Offset Contact Arm, 3/4" Contact Arm



Cat. No.	Volts AC	AMPS	SFPM	Length (in)	Net. Wt. (lbs)	Ship. Wt. (lbs)
6101-6	120	5.5	2,300	18.5	6	7-3/4

### Trigger Grip Small Angle Grinder with Lock-On

The 6123-30 5 7/8" Trigger Grip Grinder w/ Lock-on delivers performance, durability and ease-of-use features for industrial users. The trigger grip handle



with lock-on increases productivity by providing optimal control, reach and leverage for a variety of applications. The motor provides high overload protection and power for the toughest jobs. Milwaukee's Advanced Electronics provide the highest performance with features like Electronic Shut-Off, Constant Power Technology and Overload Limit Protection. The built in advanced airflow system, including Debris Baffles and Multi-Port Exhaust, extends tool life. The tool-free burst resistant guard allows the user to quickly adjust the guard without the use of a tool. External brush doors reduce service time.

- Advanced Electronics - includes ESO: Electronic Shut-Off, CPT: Constant Power technology, OLP: Overload Limit Protection
- ESO: Electronic Shut-Off - shuts down the grinder when the wheel is stalled in a pinch providing greater control and reduced tool damage
- Debris Baffles— protect internal components by deflecting damaging debris out of the airflow at the intake vents
- Multi-Port Exhaust reduces motor burn-up by efficiently venting hot air out of the grinder

Cat. No.	Speed RPM	Disc Dia. (in)	Volts AC-DC	AMPS	Length (in)
6123-30	9,000	5-6"	120	12	16

**Power Tools**

**Milwaukee®**

**4-1/2" Small Angle Grinder**

The 6148-30 4-1/2 in. 10.0 Amp Small Angle Grinder delivers performance, durability and ease-of-use features for industrial users. The X-large paddle switch with lock-on increases comfort and ease-of-use when operating the grinder in various positions. A 10 Amp, 1250 MWO motor provides high overload protection and power for the toughest jobs. Milwaukee's built in advanced airflow system, including Debris Baffles and Multi-Port Exhaust, extends tool life. The 3-position soft grip handle gives the user placement flexibility when performing different applications – the top handle position is ideal for cutting. The tool-free burst resistant guard allows the user to quickly adjust the guard without the use of a tool.



- 10.0 Amp, 1250 MWO Motor high overload protection and power for difficult applications
- Debris Baffles protect internal components by deflecting damaging debris out of the airflow at the intake vents
- Multi-Port Exhaust reduces motor burn-up by efficiently venting hot air out of the grinder
- 25% Longer Lasting Epoxy Protection extends motor life by protecting the copper wire from abrasion
- Soft Grip 3-Position Handle provides optimal control during various applications

Cat. No.	Speed RPM	Disc. Dia. (in)	Volts AC-DC	Max Power Output (Watts/HP)	AMPS	Net Wt. (lbs)
6148-30	10,000	4.5	120	1,250	10	5.5

**13 AMP Sanders**

Milwaukee Sanders May Be Converted To Grinders By Using The Proper Wheel Guard For Grinding Operations.



- Powerful 13 Amp 2.25 Max. HP Motor with Long Life Brushes and High Output Fans
- Optimum Speed Range for Various Accessories
- All Ball and Roller Bearing Construction
- Spiral Bevel Gears
- Cast Aluminum Gear Housing with Recessed Spindle Lock
- 2-Position Large Flanged Side Handle
- Adj. Wheel Guard
- Lock-On Button

**Exclusive 6078 Features:**

- Dial Speed Control Settings From 1-5
- 2-Wire Quik-Lok® Cord Sets

**Std. Equipment for 6072:** Side Handle, Flange and Nylon Washer Only. Order All Accessories Separately. **For 6078:** Side Handle, 10' 2-Wire Quik-Lok Cord, Flange and Nylon Washer Only. Order All Accessories Separately.

**Accessories:** Steel Carrying Case, Type "G" Grease

Cat. No.	Speed RPM	Disc. Dia. (in)	VOLTS	AMPS	Max. Power Output (Watts/HP)	Spindle Thread Size	Length Less Disc (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6072	5000	7/9	120 AC-DC	13.0	1680/2.25	5/8"-11	17	9-1/4	11-1/4
6078	0-6000	7/9	120 AC Only	13.0	1680/2.25	5/8"-11	17	9-1/4	11-1/4

**15 Amp 7"/9" Roto™ - Large Angle Grinder w/ Lock-on**

The 6089-30 7"/9" 15.0 Amp Roto™ -Large Angle Grinder w/Lock-on delivers performance and durability for the most difficult grinding jobs. The motor provides high overload protection and power for the toughest jobs. 9-Position rotating main handle makes it easier to control the grinder in all orientations. The tool-free burst resistant guard allows the user to quickly adjust the guard without the use of a tool. Both a 7" and 9" Type 27 grinding guard are included for greater productivity.



- 15.0 Amp, 4.2 HP Motor- high overload protection and power for difficult applications
- 6,000 RPM- optimal wheel speed for material removal
- 9-Position Rotating Handle-allows the user to adjust the main handle for better control
- Debris Baffles- protect internal components by deflecting damaging debris out of the airflow at the intake vents
- External Brush Doors- reduces service time by providing easy access to brushes
- Soft-Grip Main Handle-provides better control and comfort
- Tool Free, Burst Resistant Guard-quickly adjust the guard without a tool
- 7" & 9" Type 27 Guard Included- for added productivity
- Compatible with multiple Grinder Guards and Flanges. See cross-reference guide below.

Cat. No.	Speed RPM	Disc. Dia. (in)	Volts AC-DC	AMPS	Max. Power Output (Watts/HP)	Spindle Thread Size	Net Wt. (lbs)	Ship. Wt. (lbs)
6089-30	6,000	7-9	120	15.0	3,130	5/8"-11	13.7	17.8

**Polishers**

Dial Speed Control & Single Speed Polishers.



- Spindle Lock for convenient Accessory Change
- Self-Stopping Long Life Brush System
- Helical Gearing
- All Ball and Roller Bearings
- Dial Speed Control
- Quik-Lok® Cord Set Included
- Aluminum Gear Case with Protective Urethane Bumpers

**Std. Equipment:** Includes one 7" Rubber Backing Pad, Disc Nut and Nylon Washer

**Accessories:** Hook & Loop Foam Pads & Blended Wool Pads, Wool & Blended Wool Pads/Blended Wool Bonnets, Disc Nut, Nylon Washer

Cat. No.	Pad Dia. (in)	Volts AC	AMPS	Speed (No Load) RPM	Length (in)*	Net Wt. (lbs)	Ship. Wt. (lbs)
5540	7	120	11	0-2800	16-1/2	8-3/4	12



## Milwaukee®

### Straight Grinders and Accessories

Powerful. Smooth running.

- Strong, lightweight, glass filled nylon handles
- High-impact resistant tool rest
- Coated spindle housing for cool gripping surface
- Hardened helical-cut alloy steel gears and shaft
- Long life brush system
- Ball bearing mounted armature
- Heavy-duty aluminum gear case



**Std. Equipment for No. 5223:** Includes Grinding Wheel, Wheel Guard and Two Wrenches. **For No. 5243:** Includes Grinding Wheel, Adjustable Steel Wheel Guard with Hinged Face Plate and Two Wrenches.

**Accessories:** Knot Wire Brushes, Aluminum Oxide Resinoid Bond Grinding Wheels, Cloth Buffing Wheels, Wrenches, Grease - 1 lb. cans, Dry Cutting Diamond Blade, Tuck Point Grinder Accessory Kits, Wheel Guard Assy.

Cat. No.	Volts AC-DC	AMPS	Wheel Size (in)	Hole Dia. (in)	No Load RPM	Spindle Thread Size	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
5223*	120	12	5	5/8	7000	5/8"-11	20	10-1/4	11-3/4
5243	120	15	6	5/8	5500	5/8"-11	22	16-1/2	20-3/4

\*Not available in Canada.

NOTE: The maximum safe operating speed shown on grinding wheels and tuck point abrasive wheels must be greater than the no load speed of the tool.

### Die Grinders

2" Diameter. Powerful & smooth running. All Ball and roller bearings. Strong, lightweight, glass filled nylon motor housings and handles. Heavy-duty milwaukee built motors. Heavy-duty aluminum gear cases. High efficiency fans. Self-stopping long life brush system



#### 5192 Additional Features:

- For mounted wheels and points up to 1-5/8", reinforced wheels up to 2"
- Armature dynamically balanced for smooth, efficient operation

#### 5196 Additional Features:

- For mounted wheels and points up to 2", reinforced wheels up to 2"
- Ball bearing mounted armature
- High impact resistant tool rest
- Helical cut alloy steel gears and shaft

#### Accessories:

**For Model 5192:** 1/4" Collet\*, 11/16" Open End Wrench\*, 1/2" Open End Wrench\*, 1/8" Collet, Type "G" grease, 1 lb. can [\*Included as std. Equipment]

**For Model 5196:** 1/4" Collet\*, 11/16" Open End Wrench\*, 1/2" Open End Wrench\*, 1" Open End Wrench\*, 1/8" Collet, Collet nut - replacement, Collet Body - Replacement, Type "G" grease, 1 lb. can [\*Included as std. Equipment]

**49-95-0008** - Merchandiser - 1/8" Shank Mounted Points 50 Piece Set

**49-95-0007** - Merchandiser - 1/4" Shank Mounted Points 50 Piece Set

Cat. No.	Volts AC-DC	AMPS	Collet Dia. (in)	Max. Grinding Wheel Dia. †		No Load RPM	Length (in)	Net Wt. (lbs)	Ship Wt. (lbs)
				Reinforced	Non-Reinforced				
5192	120	4.5	1/8† -1/4*	2	1-5/8	21,000	13-1/2	4-1/2	4-3/4
5196	120	11	1/8† -1/4*	2	2	14,500	21-1/2	7-3/4	10-1/2

† These grinders are NOT supplied with grinding wheels. Before using any grinding wheel be sure speed shown for that wheel is greater than the no load speed of the tool.

‡ Available as accessory only.  
\* Included as standard equipment.

### Nibblers

#### Exclusive 6890 Features:

- Index die holder allows for eight cutting positions
- No adjustments for straight or curved cuts
- Cuts square or round and deep corrugated metal
- Starting hole required .87"
- AC-DC paddle switch conveniently mounted for one-handed operation



#### Exclusive 6880 Features

- Cutting guide on front for pattern work
- Starting hole required 1.65"
- AC-DC toggle switch allows for two-handed operation of tool

**Std. Equipment for 6890:** Punch, Die, Allen wrench and Plate Wrench.

**For 6880:** Punch, Die, Allen Wrench and Side handle

**Accessories:** Punch & Die, Wrenches, Type "G" Grease

Cat. No.	Cap. Steel (Ga)	Cap. Stainless (Ga)	Punch Width	Volts AC-DC	AMPS	Strokes Per Min.	Min. Cutting Radius (in)	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6890	16	18	.200	120	3.8	1900	1-3/4	11-1/4	4-3/4	6-1/4
6880	10	12	.240	120	4	1000	2-1/2	12-1/4	7-3/4	9-1/4

### 18 Gauge Shear

This new shear comes with a powerful 6.8 amp Milwaukee built motor. The ergonomic tactile grip is designed for more user comfort allowing you to make that straight cut when needed. The new lightweight, heavy-duty magnesium gear-case has been incorporated in the design for superior balance. The variable speed trigger allows for smoother acceleration and performance when needed.



- 6.8 amp Milwaukee motor, trigger speed control: 0-2,500 rpm spindle speed
- 360° swivel head
- Ergonomic tactile grip for optimal user comfort
- 10 ft. flexible durable runner cord

Cat. No.	Cap. Steel (Ga)	Cap. Stainless (Ga)	Volts AC Only	AMPS	Min. Cutting Radius (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6852-20	18	20	120	6.8	7	4.1	5.1

### Shears

- High speed accurate cutting mechanism
- Simple bade adjustment – No shims
- Blade design eliminates jamming
- Leaves edges smooth – burr free
- No adjustments for straight cuts – curves
- Cuts close curves either right or left
- Toggle switch



**Std. Equipment:** Allen Wrenches, Feeler Gauge, Upper Blade and Lower Blade

Cat. No.	Cap. Steel (Ga)	Cap. Stainless (Ga)	Volts AC-DC	AMPS	Strokes Per Min.	Min. Radius Left (in)	Min. Radius Right (in)	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
6815	14	16	120	5.0	4000	3/4	1	10-1/4	5	6

**Power Tools**

**Milwaukee®**

**Vacuum Cleaners**

**Wet/Dry Pickup**

- Positive Water Shut-Off protects motor from direct exposure to water.
- Heavy-Duty Filter System
- Can use as blower.
- Vacuum Motor Design: Model 8925 has a three-stage bypass motor for wet/dry operation. Models 8911 & 8935 have a two-stage bypass motor for wet/dry operation. They provide discharge of vacuum air from the fan case with a separate system for motor cooling. Clean air is drawn into top of motor and discharged through motor housing vents protecting motor from direct exposure to moisture.



8911

**Std. Equipment:** All models are equipped w/1-1/2" O.D. hose connections, cord w/3-prong grounded plug, 3 hold-down clamps & 4-wheel caddie w/non-marring wheels.  
**For 8911 & 8925:** Three paper filter bags, cloth filter, wire frame assembly, wet pick-up conversion pan, swivel connector & store-all tool bag. **For 8935:** Three paper filter bags, wet pick-up pan, cloth filter, wire frame assembly, swivel connector & wire hose carrier.

**Accessories:** Replacement filters, hoses & attachments are available for all vacuum cleaners - please call for more details

Cat. No.	Recov. Cap.		Tank	Volts	AMPS	Motor Type	Overall		Net Wt. (lbs)	Ship Wt. (lbs)
	Gal.	BU.					Width (in)	Height (in)		
8911	11	1-1/2	Steel	120	7.5	2-Stage	22	37	56	66
8925	15	2	Stainless	120	9.2	3-Stage	22	41	60	74
8935	6	3/4	Steel	120	7	2-Stage	17	28	35	45

**Vacuum Cleaners**

**Wet/Dry Pickup Capabilities**

- Positive Water Shut-Off - protects motor from direct exposure to water
- Heavy-Duty Filter System
- Can use as blower
- Model 8955 has a one-stage bypass motor for wet/dry operation



**Std. Equipment:** For 8955 - 1-1/2" O.D. hose connections, cord with 3-prong grounded plug, 3 hold-down clamps, 7' x 1-1/2" I.D. vinyl hose, hose adapter, filter cartridge and 3 wheel dolly.

**Accessories:** Replacement Filters, Hoses and Attachments are Available for All Vacuum Cleaners - please call for details

Cat No.	Recov. Cap.		Tank	Volts	AMPS	Motor Type	Overall		Net Wt. (lbs)	Ship. Wt. (lbs)
	Gal.	BU.					Width (in)	Ht. (in)		
8955	10	1-1/8	Steel	120 AC, 60 HZ	8.0	1-Stage	19-1/2	38-1/2	32	44

**Vacuum Cleaner Accessories**

**Wet and Dry Cleaning Kit - 49-90-1670**

A complete kit of accessories for the maintenance department. Kit consists of 1 of each of the following:

- 10' Hose
- Major Floor Tool
- Squeegee Shoe
- 15" Crevice Tool
- 14" Carpet Insert
- Utility Nozzle
- Double Bend Floor Wand



**Vacuum Accessory Kit**

**49-90-1810**

Accessories for general cleanup application. Kit consists of 1 of each of the following:

- Wand
- Crevice Tool
- 6" Nozzle
- 14" Squeegee Shoe
- 14" Rug Shoe
- Master Nozzle
- 3" Round Brush
- 14" Brush Insert



**Furnace Cleaning Kit - 49-90-1650**

All accessories needed for cleaning furnaces. Kit consists of 1 of each of the following:

- 10' Hose
- 6' Metal Hoes
- Crevice Tool
- Rubber Blower Nozzle
- Utility Nozzle



**Automotive Kit - 49-92-1660**

A kit especially designed for automotive cleanup work. Kit consists of 1 of each of the following:

- 10' Hose
- 15" Crevice Tool
- Utility Nozzle



**Dual Temperature Heat Gun**

This professional line of Heat Guns offer ergonomic style and powerful heating elements. With stay cool handles and heat shields, you can use these all day while you stay cool. Model 8975-6 offers 570 degree and 1000 degree temperature ranges. All this power and it only weighs 1.6 lbs.



- Dual temperature 570 and 1000 degrees F, 11.6 amp motor
- Unique impact resistant heating element
- Efficient soft air velocity increases surface temperature much faster than conventional hot air heat guns
- Three position rocker switch - off, high and low

Cat. No.	Volts AC	AMPS	Air Temp. (°F)	Length (in)	Net Wt. (lbs)	Ship. Wt. (lbs)
8975-6	120	11.6	570° and 1000°	10-1/8	1.6	2.28

## Milwaukee®

### M12™ Cordless Lithium-Ion Grease Gun



The M12™ Cordless Lithium-Ion Grease Gun develops higher pressure, offers greater productivity, and gives the user more versatility on the jobsite than any other cordless grease gun in the market. With up to 25% more pressure and run-time than the competition, the 2446-21XC delivers over 8,000 PSI max operating pressure for heavy duty applications and

dispenses up to seven grease cartridges per battery charge. The M12™ Cordless Lithium-Ion Grease Gun also features a lightweight, ergonomic handle design for greater user comfort during prolonged use and an on board hose storage and shoulder strap loop for added convenience with less mess.

- Powerful 12V Motor: Delivers over 8,000 PSI Max Operating Pressure
- Best in Class Run-Time: Dispenses up to 7 cartridges per charge
- Superior Handle Balance and Ergonomics: Only 14" long and 7.2 lbs
- Integrated Hose Storage and LED Fuel Gauge: Added user convenience and less down time
- Air Bleeder Valve: Priming mechanism for quick flow
- M12™ LITHIUM-ION System: Compatible with over 20 M12™ Lithium-Ion Tools for greater versatility in the workplace
- Maximum Durability: Backed by a 5 year warranty

Cat. No.	Volts	Output Pressure PSI	Tool Length (in)	Tool Weight (lbs)
2446-21XC	12	>8,000	14	7.2

### M-Spector™ M12™ Cordless Lithium-Ion Digital Inspection Camera



With advanced digital imaging technology and a 2.4" high-resolution color LCD display, the M-Spector™ M12™ Cordless Lithium-Ion Digital Inspection Camera provides a crystal clear picture of tough to reach places such as inside pipes, drains and equipment and behind walls. Optimal image quality and control is achieved via an exclusive Image Zoom (2x) feature and LED brightness control. Equipped with a durable, detachable, 3' water-tight flexible cable and a small camera head, the M-Spector™ M12™

Cordless Lithium-Ion Digital Inspection Camera fits through holes as small as 3/4" and gets into, under and around tight spaces.

An ergonomic handle, comfortable in any orientation, features up-front power and image controls for true one-handed operation. A power saving, auto shut-off feature preserves battery life.

- Digital technology delivers superior image quality
- Large, 2.4", high-resolution (320X240) color LCD display
- Exclusive adjustable image zoom (2x)
- 3 Stage LED Brightness Control w/ Digital Glare Reduction
- Up front camera controls for true one-hand operation
- Rugged, detachable 3' water-tight flexible shaft (3' extension cables also available)
- Small camera head and shaft diameter fit into holes as small as 3/4"
- 3' extension cables (Recommened maximum extension is 9')
- Model 2310-21 Includes 12V Lithium-Ion battery, 30-min charger, hard case
- Model 2300-20 Includes 4 AA batteries, carrying case

Cat. No.	Volts	Camera Head Dia. (in)	Tool Length (in)	Tool Weight (lbs)
2310-21	12	0.17	14	7.2

### M12™ Cordless Lithium-Ion Copper Tubing Cutter



Milwaukee Electric Tool Corporation introduced the industry's first M12™ Cordless Lithium-Ion Copper Tubing Cutter, specifically designed for cutting copper with the speed and versatility that plumbers, mechanical contractors and remodelers require. With a 12V Lithium-Ion battery and ultra-efficient gearing, the M12™ Cordless Lithium-Ion Copper Tubing Cutter performs up to 200 cuts on a single charge. A close quarter rotating head cuts installed copper tubing with as little as 1-1/2" of clearance. At 500 RPM, the patent pending cutting mechanism cuts copper tubing up to 10X faster than conventional cutters. The inline design offers greater reach and reduced wrist strain in confined spaces. The metal cutting head is corrosion and rust resistant and is sealed for protection from water. Electronic overload protection and uni-body construction provide exceptional durability. Additional features include a battery fuel gauge, which displays the remaining run-time, and a built-in LED Light which illuminates the line of cut.

- Close quarter rotating cutting head cuts pipe in confined spaces
- Automatic adjustment from 3/8" - 1" tubing
- Auto Locking Mechanism delivers up to 200 cuts per charge
- Water resistant sealed metal cutter head
- Battery Fuel Gauge displays remaining run-time
- Built-in LED light illuminates line of cut
- 12V Lithium-Ion battery for longer run-time and lighter weight

Cat. No.	Volts	Speed RPM	Tool Length (in)	Shipping Weight (lbs)
2471-21	12	500	14	8.6
2471-20	12	500	14	3.46

### M12™ 600 MCM Cable Cutter Kit



The Milwaukee M12™ 600 MCM Cable Cutter delivers jaw-dropping cable cutting power in a compact portable package. Using a break-through powered ratcheting mechanism and superior blade geometry, the M12™ 600 MCM Cable Cutter cuts through large cables with ease leaving a clean, installation ready cut. The compact size and scissor style jaws enable cutting in crowded panels without looping, ratcheting or long arms freeing up precious space. Service Electricians, DataComm technicians, Utility Contractors, Demolition Crews, Repair Technicians and Commercial electricians will all benefit from the productivity gains delivered by this product.

- Powerful Jaws Cut Effortlessly through 600 MCM Cu / 750 MCM AL
- Milwaukee Designed Blade Delivers a round and installation ready cut
- Open jaws enable the user to go straight to the cable in panels without long handles, looping or ratcheting
- RedLithium™ Technology delivers up to 150 cuts of 500 MCM CU per charge
- 2 Speed Gear Box Delivers Power for large cables, and speed for more frequent size
- Auto Release Lever provides ability to cut, reload and quickly repeat

Cat. No.	Volts (AC Only)	No Load SFPM	Max. Capacity (in)	Tool Weight (lbs)	Shipping Weight (lbs)
2472-21	120	200/360	3-1/4 x 3-1/4	9.5	14.9



**Power Tools**

**Milwaukee®**

**M12™ Cordless Lithium-Ion Copper Tubing Cutter**



Powered by all Milwaukee® 12V-28V batteries including M series, V series and NiCad; the Jobsite Radio delivers the highest reception accuracy and signal clarity in its class with an exclusive AM/FM tuner and digital processor. In addition, the Job Site Radio features premium speakers that produce a rich, full sound and a built in weather sealed MP3 compartment to protect MP3 players and other audio devices. Backed by legendary Milwaukee durability, a shock absorbing ABS polymer and steel construction protects internal components from weather and abusive job site conditions.

- Exclusive AM/FM Tuner with Digital Processor - Delivers Highest reception accuracy and signal clarity
- Premium Speakers and 40 Watt Amplifier - Up to 6X more power than competitive radios
- Weather Sealed Auxiliary Compartment - Protects MP3 players and other audio devices
- Shock Absorbing ABS Polymer and Steel Construction - Protection against weather and abusive job site conditions
- Customizable Equalizer and 10-Station Preset - Personalized sound and enhanced musical and vocal quality
- AC/DC Versatility - Powered by Milwaukee M12™, M18™, V18™, V28® , NiCd 12V to 28V, and AC outlet
- Built-In Bottle Opener - Convenience on and off the job site
- USB Output - Provides power to charge most small electronic devices
- Durable Cord Wrap - Easily store the 6-foot AC cord

Cat. No.	Volts	Amplifier (Watts)	Dimensions (in)	Weight (lbs)
2790-20	12-28	40	19.5 x 9.5 x 11	17.5

**Compact Band Saw**



At only 9-1/2 lbs and 16" in length, the Milwaukee Compact Band Saw is the perfect tool for cutting metal in-place, overhead or in tight spaces. With 3-1/4" cut capacity and low vibration, this saw delivers the cleanest cuts on the most common materials including strut, 2-1/2" conduit, 3" angle iron, 3" copper and threaded rod without ruining the threads. The Compact Band Saw also features a work light, blade ejection system and a tool-free adjustable material guide that allows the user to make cuts flush to ceilings or walls.

- 45% Lighter than Deep Cut - 9.5 Lbs compact light weight design for cutting overhead and in tight places.
- 200-360 SFPM Variable Speed Dial- adjusts the speed for more accurate cuts and hard materials
- 3-1/4" Cut Capacity – cuts most common materials for Electrician, Plumber and Mechanical cutting applications. Single pass cut on 3" copper, 3" angle iron, 2-1/2" conduit.
- Tool-Free Adjustable Material Shoe – quickly adjusts the shoe and allows flush cuts when working with installed materials against walls and ceilings.
- LED Work Light – illuminates the cut line in tight spaces and dark areas.
- Blade Ejection System-Quickly change the blade by moving the material guide into the up position and depressing the blade ejection button.
- Drop Resistant Pulley Guard-Engineered geometries & high impact polymer.
- Cast Aluminum Gear Case-Withstands jobsite abuse & maintains gear positioning.

Cat. No.	Volts (AC Only)	No Load SFPM	Max. Capacity (in)	Tool Weight (lbs)	Shipping Weight (lbs)
6242-6	120	200/360	3-1/4 x 3-1/4	9.5	14.9

**M18™ Cordless Lithium-Ion Band Saw Kit**



At only 10-1/4lbs and 18" in length, the M18™ Cordless Lithium-Ion Band Saw Kit is the perfect tool for cutting metal in-place, overhead or in tight spaces. With 3-1/4" cut capacity and low vibration, this saw delivers the cleanest cuts on the most common materials including strut, 2-1/2" conduit, 3" angle iron, 3" copper and threaded rod without ruining the threads. The M18™ Cordless Lithium-Ion Band Saw Kit also features a work light, blade ejection system and a tool-free adjustable material guide that allows the user to make cuts flush to ceilings or walls.

- 45% Lighter than Deep Cut – 10.25 Lbs compact light weight design for cutting overhead and in tight places.
- 3-1/4" Cut Capacity – cuts most common materials for Electrician, Plumber and Mechanical cutting applications. Single pass cut on 3" copper, 3" angle iron, 2-1/2" conduit.
- Tool-Free Adjustable Material Shoe – quickly adjusts the shoe and allows flush cuts when working with installed materials against walls and ceilings.
- LED Work Light – illuminates the cut line in dark areas.
- Blade Ejection System-Quickly change the blade by moving the material guide into the up position and depressing the blade ejection button.
- Drop Resistant Pulley Guard-Engineered geometries & high impact polymer.
- Cast Aluminum Gear Case-Withstands jobsite abuse & maintains gear positioning.

Cat. No.	Volts (AC Only)	No Load Speed	Max. Capacity (Rectangular)	Max. Capacity (Round)	Tool Weight (lbs)	Shipping Weight (lbs)
2629-22	18	480	3-1/4 x 3-1/4	3-1/4	10.25	20.0





## Milwaukee®/Sioux™

**HSI**  
HANES SUPPLY INC.

*Milwaukee*

**M18 FUEL**  
DRIVEN TO OUTPERFORM.™

1 POWERSTATE™ BRUSHLESS MOTOR

2 REDLINK PLUS™ INTELLIGENCE

3 REDLITHIUM™ XC4.0 BATTERY PACK

UP TO **2X** MORE RUN-TIME

UP TO **30%** FASTER CUTTING

UP TO **5X** LONGER TOOL LIFE

M18 FUEL™ is engineered for the most demanding tradesmen in the world. All M18 FUEL™ products feature three Milwaukee® innovations — the POWERSTATE™ Brushless Motor, REDLITHIUM™ Battery Pack and REDLINK PLUS™ Intelligence electronics— that deliver unmatched power, run-time and durability. The M18 FUEL™ SAWZALL® recip saw is the world's most powerful 18V cordless recip saw, the first to deliver true corded performance.

**M18** SYSTEM

M18 FUEL™ - PART OF THE M18™ SYSTEM OF OVER 60 TOOLS.

### 1/2" Impact Wrench

Catalog No. 5050A

- Reverse bias power
- Twin hammer impact mechanism
- Built-in power regulator
- Down handle exhaust
- Steel anvil housing
- Friction ring socket retainer
- Grade 5 bolt capacity: 5/8"
- Drive Size: 1/2"
- Blows per minute: 1100
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8"



Catalog No. 5051A

- Reverse bias power
- Twin hammer impact mechanism
- Built-in power regulator
- Down handle exhaust
- Steel anvil housing
- Pin socket retainer
- Grade 5 bolt capacity: 1/2"
- Drive size: 1/2"
- Blows per minute: 1,100
- Recommended hose size: 3/8" (10 mm)

Cat. No.	Free Speed RPM	Torque - (ft/lbs)		Wt. (lbs)	Length (in)	CFM	
		Working	Max.			Max	Avg.
5050A	8,000	50-350	475	5.6	7.4	14.5	3.6
5051A	8,000	50-350	475	5.6	7.4	14	3.5

### 3/4" Super Duty Impact Tool

Catalog No. 5075A

- Built-in power regulator
- One hand slide bar reverse
- Lightweight aluminum housing
- Steel front housing
- Roller cam mechanism for long life
- #5075A-Friction Ring Retainer-Chrome Front Housing
- #5075AL-Same as 5075A with 6" Extended Anvil
- #5076A-Pin-Type Thru-Hole Retainer-Black Front Housing



Cat. No.	Free Speed RPM	Torque-(ft/lbs)		Impacts Per Min.	Wt. (lbs)	Length (in)	Hose Size (in)	CFM		
		Working	Max.					PSI	Load	Avg.
5075A	4500	75-500	700	870	12.1	10	1/2	90	28	6

**Power Tools**

**Sioux™**

**1" Monster Impact Tool**

Catalog No. 5092/5092L

- Maximum free speed: 4000 RPM
- Maximum torque: 2800 ft./lbs.
- Working torque: 600-1400 ft./lbs.
- High performance pin clutch mechanism, oil bath lubrication
- 6" extended anvil available: Catalog No. 5092L
- Auxiliary side handle included



**1" Monster Impact Tool**

Catalog No. 5093/5093L

- Maximum free speed: 4000 RPM
- Maximum torque: 3000 ft./lbs.
- Working torque: 600-1400 ft./lbs.
- High performance pin clutch mechanism, oil bath lubrication
- 6" extended anvil available: Catalog No. 5093L



Cat. No.	Free Speed RPM	Torque-(ft/lbs)		Impacts Per Min.	Wt. (lbs)	Length (in)	Hose Size (in)	PSI	Max. CFM
		Working	Max.						
5092	4000	600-1400	2800	500	24.9	11.9	1/2	90	24
5092L	4000	500-1300	2500	500	27.3	16.9	1/2	90	24
5093	4000	600-1400	3000	500	25.6	16.1	1/2	90	24
5093L	4000	500-1300	2700	500	28.0	21.1	1/2	90	24

**1/4" Ergo-Grip Ratchet Wrench**

Catalog No. 5009



**3/8" Ergo-Grip Ratchet Wrench**

Catalog No. 5011



**1/2" Ratchet Wrench**

Catalog No. 5012

- Steel angle head
- Lightweight aluminum body
- Built for the professional mechanic
- Ergonomic grip
- Compact design



Cat. No.	Free Speed RPM	Torque-(ft/lbs) Max.	GR 5 BOLT CAP.	Wt. (lbs)	Length (in)	Hose Size (in)	PSI	CFM	
								Load	Avg.
5009	150	20	5/16	1.25	6.65	1/4	90	6	1.4
5011	150	50	7/16	2.6	10.75	3/8	90	12	3.0
5013	185	50	7/16	2.5	10.8	3/8	90	17	3.0

**Medium Duty Die Grinder**

Catalog No. 5054A

- Lockoff lever throttle
- Comfort Grip
- Rear exhaust
- Built-in speed regulator
- Aluminum housing



Cat. No.	RPM	Horse Power	Wt. (lbs)	Length (in)	Hose Size (in)	Avg. CFM
5054A	22,000	.5	1.3	6.5	3/8	4

**Heavy Duty Right Angle Die Grinder**

Catalog No. 5055A

- Lockoff lever throttle
- Comfort Grip
- Aluminum housing
- Built-in speed regulator



Cat. No.	RPM	Horse Power	Wt. (lbs)	Length (in)	HD HT (in)	Hose Size (in)	Avg. CFM
5055A	20,000	.3	1.1	5.5	2.9	3/8	4

**4-1/2" Right Angle Grinder**

Catalog No. 5268

- Safety lever throttle
- Forward exhaust
- Built-in regulator adjusts speed to match various applications
- Auxiliary side handle for greater comfort and control
- Includes grinding disc and adjustable metal guard
- 4-1/2" grinding wheel (not included) No. 2004



Cat. No.	Speed (RPM)	Spindle Size	Horse Power	Wt. (lbs)	Length (in)	HD HT (in)	Hose Size (in)	Avg. PSI	CFM	Rplcmt. Backing Pad
5268	12,000	5/8-11	.6	3.9	10	3.5	3/8	90	3.3	N/A

**7" Right Angle Sander**

Catalog No. 5287A

- Safety lever throttle
- Auxiliary handle can be mounted on either side for greater comfort and control
- Built-in regulator adjusts speed to match various applications
- Rear exhaust directs air away from work and operator for safer operation



Cat. No.	Speed (RPM)	Pad Size (in)	Wt. (lbs)	Length (in)	Hose Size (in)	PSI	Avg. CFM	Rplcmt. Pad	Spindle Size
5287A	6,000	7	4.4	12.6	3/8	90	4.8	5207	5/8-11

## Sioux™

### 3/8" Reversing Air Drill

Catalog No. 5445R - Keyed Chuck

Catalog No. 5454KL - Keyless Chuck

- One handle fwd/rev operation
- Handle exhaust
- Multi-purpose
- Durable lightweight aluminum housing



### 1/2" Reversing Air Drill

Catalog No. 5450R - Keyed Chuck

Catalog No. 5450RKL - Keyless Chuck

- One handle fwd/rev operation
- Handle exhaust
- Removable auxiliary handle for greater comfort and control
- Multi-purpose
- Lightweight aluminum handle



Cat. No.	RPM	Wt. (lbs)	Length (in)	Hose Size (in)
5445R	1,800	3	8	3/8
5445RKL	1,800	3	8	3/8
5450R	550	4.3	9.25	3/8
5450RKL	550	4.3	9.25	3/8

### Mini Sioux-Per Reciprocating Air Saw

Catalog No. 5300A

- 10,000 strokes per minute for fast, smooth cutting
- Adjustable blade guard to control depth of cut
- Performs straight or scroll



Replacement Saw Blades		
Sioux No.	Description	Pkg. Qty.
1823	Bi-Metal saw blade, 18TPI, 4" long	5
1824	Bi-Metal saw blade, 24TPI, 4" long	5
1825	Bi-Metal saw blade, 32TPI, 4" long	5

### Hammer

Catalog No. 5273A

- Spring retainer
- Accepts .401 Parker Taper shanks
- Built-in Air Regulator
- Hardened steel barrel and piston
- Aluminum housing



Cat. No.	BPM	Bore (in)	Stroke (in)	Length (in)	Wt. (lbs)	Hose Size (in)
5273A	3,200	.8	2.6	7.1	3.8	3/8

### Needle Scaler

Catalog No. 5266

- In-line heavy duty steel housing
- 19 - .12" x 7" needles
- Hardened steel barrel and piston for less wear and longer life



### Pistol Grip Needle Scaler

Catalog No. 5262

- Comfort Grip
- Hardened steel barrel and piston



Cat. No.	Blows per min	Length (in)	Wt. (lbs)	Hose Size (in)
5262	3,000	13.5	5.7	3/8"
5266	4,000	16.1	5.7	3/8"

### Cut-off Tool

No. 5564A

- Rear exhaust
- Comfort Grip
- Lockoff lever throttle
- Aluminum housing



Cat. No.	Free Speed (RPM)	Weight (lb)	Length (in)	Air Inlet Size (in)	Hose Size (in)
5564A	21,000	1.8	8	1/4	3/8

### Air Reciprocating Saws

No. 1309 Air Jig Saw

- Quick change blade chuck
- Adjustable orbital blade action
- Variable speed control
- Rear exhaust
- Remote exhaust available
- Takes all bayonet style blades



No. 1300 Air

- Low vibration
- Excellent balance
- Variable speed
- Ball and needle bearings throughout



Cat. No.	Stroke (in)	Strokes Per Min.	Amps	Volts	Hose Conn. NPT*	Length (in)	Wt. (lbs)
1300	5/8	1800	-	-	1/4	17-1/8	7-13
1309	1	2400	-	-	1/4	9-1/2 Height 7-3/4	3-15

**Power Tools**

**Sioux™/ Stihl®**

**Impact Wrench**

Catalog No. IW75BP-6H



Catalog No. IW100HAI-8H



Model No.	Drive Size (in)	Working Torque (ft. lb.)	Max. Torque (ft. lb.)	Blows Per Minute	Free Speed (rpm)	Weight (lb)	Length (in)
IW75BP-6H	3/4	800	1,000	1,000	5,700	11.6	7.6
IW75BP-8H	1	825	1,100	1,000	5,700	11.7	7.6
IW100HAI-8H	1	1,600	2,000	850	5,000	22	12.4
IW100HAI-8H6	1	1,600	2,000	850	5,000	26.2	18.4
IW100HAI-5S	#5 Spline	1,600	2,000	850	5,000	22	12.4
IW100HAI-5S6	#5 Spline	1,600	2,000	850	5,000	26.2	18.4
IW150HAI-5S	#5 Spline	2,500	3,000	650	3,750	33	14.5
IW150HAI-12H	1-1/2	2,500	3,000	650	3,750	33.1	14.5
IW100HAO-8H	1	1,600	2,000	850	5,000	22	12.4
IW100HAO-8H6	1	1,600	2,000	850	5,000	26.2	18.4
IW100HAO-5S	#5 Spline	1,600	2,000	850	5,000	22	12.4
IW100HAO-5S6	#5 Spline	1,600	2,000	850	5,000	26.2	18.4
IW150HAO-5S	#5 Spline	2,500	3,000	650	3,750	33	14.5
IW150HAO-12H	1-1/2	2,500	3,000	650	3,750	33	14.5

**Impact Drivers**

Catalog No. IW38TBP-2Q



Catalog No. IW38HAP-7Q



Model No.	Drive Size (in)	Working Torque (ft. lb)	Max. Torque (ft. lb)	Blows Per Minute	Free Speed (rpm)	Weight (lb)	Length (in)
IW38TBP-2Q	1/4	10-70	70	2,000	8,000	2.1	6.3
IW38HAP-7Q	7/16	60-200	250	1,380	10,000	3.3	6.7

**Stihl®**

**Chain Saws**

MS170, MS171,  
MS180C-B, MS180C-BE



• **STIHL Quickstop®**— STIHL chain saws are equipped with a chain stopping system designed to reduce the risk of injury in certain kickback situations. The STIHL Quickstop® chain brake is designed to stop the rotation of the chain if activated by the operator's hand or by inertia if the saw kicks back with sufficient force.

- **Anti-Vibration System**
- **IntelliCarb™** Compensating Carburetor— Designed to automatically adjust the air/fuel ratio when the air filter becomes restricted or partially clogged and maintains the engine's correct RPM. IntelliCarb™ uses air from the clean side of the air filter to control the diaphragm and flow of fuel.
- **Ematic™** Lubrication System— Provides proper lubrication and less oil consumption than conventional methods.
- **Master Control Lever™**— Easy to use single lever, operating the choke, starting throttle lock and on-off switch. The operator must pull the throttle trigger before moving the Master Control Lever™ to the choke position

Model	Displacement (cu. in.)	Engine Power (bhp)	Weight (Pwrhd only) (lbs)	Fuel Cap. (cu. in)	Chain Oil Cap. (cu. in)	Oilomatic Chain
MS170	1.8	1.7	8.6	8.5	4.9	3/8" PMM3
MS171	1.8	1.7	9.5	280	6.1	3/8" PMM3
MS180CB	31.8	1.5	8.8	9.5	6.1	3/8" PMM3
MS180C-BE	1.9	2.0	9.3	8.5	4.9	3/8" PMM3

**Chain Saws**

MS271, MS290, MS291,  
MS311, MS391



STIHL Farm & Ranch chain saws are popular because of their rugged design, combining the ease of use that our homeowner saws are known for with a more powerful engine and expanded features. Check out many of the features that make these chain saws in a class of their own:

- The Master Control Lever™ is a single lever that allows the user to operate the choke, starting throttle lock and on-off switch all from one convenient location.
- The IntelliCarb™ Compensating Carburetor helps keep RPM levels even when the filter begins to clog.
- Swiss-made STIHL OILOMATIC® Saw Chain is pre-stretched before it leaves the factory, which helps eliminate excessive stretching during the break-in period, reducing maintenance time and component wear.
- The Electronic Ignition provides easier starting and smoother running.
- Anti-vibration System
- Our Ematic™ Bar Lubrication System delivers proper lubrication while reducing oil usage by up to 50%
- STIHL Quickstop® Chain Brake System
- Features like Heavy-duty Centrifugal Clutches, High-pressure Alloy Die Castings and STIHL-designed "longlife" cylinders help provide durable, long-lasting wear.

Model	Displacement (cu. In)	Engine Power (bhp)	Power-head Weight (lbs)	Fuel Cap. (oz)	Chain Oil Cap. (oz)	Oilomatic Chain	Rec'd Guide Bar Ranges (in)
MS271	3.06	3.49	12.3	16.9	8.12	26 RM3	16 to 20
MS290	3.45	3.8	13.0	18.9	11.2	.325 RM3	16 to 20
MS291	3.39	3.76	13.7	16.9	8.12	.325 RM3	16 to 20
MS311	3.6	4.2	14.1	20.3	11.8	3/8" RS3	16 to 20
MS391	3.9	4.4	14.1	20.3	11.8	3/8" RS3	16 to 20



## Stihl

### Pole Pruner

#### HT100

When no fuss is a must, professionals turn to the STIHL HT 100. This proven pruner delivers constant power up to 10' above the ground. All day, every day, you can count on its dependable engine to get the job done. The pruner is also lightweight, so it won't weigh you down after a long day on the job. Why settle for anything less?

- Reduced-Emission Engine Technology
- Anti-Vibration System
- Multi-Function Control Handle
- Purge Pump Primer



Model	Displacement (cu. in)	Engine Power (bhp)	Weight (Pwrhd only) (lbs)	Fuel Cap. (oz)	Chain Oil Cap. (oz)	Oilomatic Chain
HT100	1.9	1.4	12.1	18	7.4	3/8" PMM3 12" Bar and Chain

### Chain Saw

#### MS440

STIHL professional chain saws are made to deliver the power you need

when cutting wood is not just a hobby, but a way of life. With high power-to-weight ratios and heavy-duty components, a STIHL professional saw will keep you cutting day in and day out with these features:

- High-tech Magnesium Housing
- Adjustable Bar and Chain Oiler
- IntelliCarb™ Compensating Carburetor
- Master Control Lever™
- Swiss-made STIHL OILOMATIC® Saw Chain is pre-stretched before it leaves the factory, which helps eliminate excessive stretching during the break-in period, reducing maintenance time and component wear.
- Electronic Ignition
- Anti-vibration System
- Ematic™ Bar Lubrication System
- STIHL Quickstop® Chain Brake System



Model	Displacement (cu. in)	Engine Power (bhp)	Weight (Pwrhd only) (lbs)	Fuel Cap. (oz)	Chain Oil Cap. (oz)	Oilomatic Chain	Rec'md Guide Bar Length (in)
MS440	4.3	5.4	13.9	26.4	9.3	3/8" RS3	16 to 32

### Chain Saws

#### MSE140C-BQ, MSE220, MSE180C-BQ

No gas to buy. No fuel to mix. And no emissions. Now

you can trade a starting cord for a power cord, and get all the power you need for tasks around the home (even indoors). With a powerhead weight of just over seven pounds, the lightweight MS 140 C-BQ features a wide trigger switch and the toolless Quick Chain Adjuster for easy operation. There's even a coast-down feature which quickly stops the rotating chain when the trigger is released.

- Reduced-Emission Engine Technology
- STIHL Quickstop® Plus
- STIHL Electric Motor
- Ematic™ Lubrication System
- Quick Chain Adjuster



Model	Motor (Volt/ Hz)	Motor Output (amps)	Weight (Pwrhd only) (lbs)	Chain Oil Cap. (oz)	Oilomatic Chain	Rec'md Guide Bar Length (in)
MSE140C-BQ	120/60	11.7	7.3	6.8	3/8" PM3	12 to 18
MSE220	120/60	15.0	11.5	6.8	3/8" RS3	16, 18 and 20
MSE180C-BQ	120/60	15.0	7.7	6.8	3/8" PM3	12 to 18

### Bar & Chain Lubricant

Don't let friction cut down your chain saw's performance. STIHL bar and chain oil is specially formulated to adhere to your chain saw's bar and chain, providing optimal lubrication. Special oils help prevent sap and pitch from clinging, prolonging cutting performance and the lifespan of your chain parts. Ideal for use in moderate temperatures, STIHL bar and chain oil provides quality protection for your chain saw – bar none.



### Two Cycle Engine Oil

Get the most out of your STIHL product by putting STIHL back in. Our High Performance 2-Cycle Engine Oil is a special blend that is specifically designed to meet the needs of today's high performance 2-stroke engines. If you're a professional landscaper who depends on power tools and chain saws daily, depend on STIHL to keeps things running smoothly.



**Power Tools**

**Stihl**

**Trimmers**

**FS40C-E**

This entry-level trimmer feels like first class. Part of the STIHL HomeScaper Series™, the FS 40 C-E trimmer is lightweight, balanced in hand and features a curved shaft for exceptional handling. And that's just the outside of the trimmer. Inside, the low exhaust emission and fuel-efficient engine is ideal for home use — putting grass and weeds to rest with good cutting power. This grass trimmer also features our innovative Easy2Start™ technology, so you can get started with just a simple pull of the starter cord. Together it makes for one fantastic deal, unless you're a weed.

- Reduced-Emission Engine Technology
- STIHL Easy2Start™
- Loop Handle
- Electronic Ignition Module
- Multi-Function Control Handle
- Purge Pump Primer
- Anti-Vibration System



Model	Displacement (cu. in)	Engine Power (bhp)	Wt. (w/o cutting attachment) (lbs)	Fuel Cap. (pts)
FS40CE	1.66	.9	9.9	11.5
FS45	1.66	1.01	9	11.2
FS46	1.66	1.01	9.3	11.2
FS55R	1.66	1.01	10.6	11.2

**Trimmer**

**FS310**

The STIHL FS 310 trimmer features a powerful, fuel-efficient and low exhaust emission engine. A great convenience feature is its easy-adjust handle bar which swivels for easy transport and storage. The FS 310 also comes with a deluxe double harness that is designed to distribute the weight across the user's shoulders for optimal balance and support. It also boasts a vertical pleated air filter for extended service life. And thanks to its four-point anti-vibration system, operating this trimmer is smooth and comfortable. This trimmer accepts a range of metal cutting attachments and circular saw blades that can be used with the appropriate accessory kit.

- Reduced-Emission Engine Technology
- Bike Handle
- Electronic Ignition Module
- Multi-Function Control Handle
- IntelliCarb™ Compensating Carburetor
- Tool-Free Handle Adjustment
- Purge Pump Primer
- Anti-Vibration System



Model	Displacement (cu. in)	Engine Power (bhp)	Wt. (w/o cutting attachment) (lbs)	Fuel Cap. (oz)
FS310	2.2	1.9	15.9	24

**Trimmers & Brushcutters**

**FS70RC-E, FS90R, FS90, FS100RX**

As a professional, your time is too valuable to waste trying to troubleshoot a trimmer that won't start. The STIHL FS 70 RC-E grass trimmer features our Easy2Start™ technology, making starting nearly effortless. Its powerful and fuel-efficient engine — with more power than the FS 56 RC-E — makes quick work of your daily landscaping tasks. Need more line? Just tap the cutting head on the ground and watch as its AUTOCUT™ head automatically feeds out new line. The trimmer is also built to last, featuring a durable cable drive shaft, a high-durability, forged connecting rod and a four-bearing gearbox.

- Loop Handle
- STIHL Easy2Start™
- Electronic Ignition Module
- Multi-Function Control Handle
- Purge Pump Primer
- Anti-Vibration System



Model	Displacement (cu. in)	Engine Power (bhp)	Wt. (w/o cutting attachment) (lbs)	Fuel Cap. (oz)
FS70RC-E	1.66	1.2	10.6	11.5
FS90R	1.73	1.27	11.7	18.0
FS90	1.73	1.27	12.1	18.0
FS100RX	1.90	1.05	10.8	18.0

**Hedge Trimmer**

**HS 81**

If variety is the spice of life, then the STIHL HS 81 R hedge trimmer is one spicy way to trim hedges. Available in both 24" and 30" blade length options, this trimmer gives professionals two ways to tackle heavy pruning and rejuvenation tasks. Each version features wider tooth spacing, ideal for heavier cutting. The HS 81 R also features low-vibration technology and a swivel handle for improved comfort and convenience when cutting.

- Anti-Vibration System
- Double-Sided Blades



Model	Displacement (cu. in)	Engine Power (bhp)	Weight (lbs)	Fuel Cap (oz)
HS81 (12" blade)	1.4	.94	12.1	12.5
HS81 (14" blade)	1.4	.94	12.6	12.5

## Stihl

### Hedge Trimmer

#### HL45, HL90K

The STIHL extended reach hedge trimmer features a 26" long shaft, giving homeowners the reach of a professional landscaper in a value package. Its 20" blade is double-sided and features an integrated cutter guard, perfect for trimming tall or wide bushes and hedges. It is also powered by a STIHL HomeScaper Series™ engine with four transfer ports for increased power and fuel efficiency. Give your hedges a smooth, uniform look – even in those hard-to-reach areas.

Common Features:

- Double-sided reciprocating blades with integrated cutter guard
- Balanced design
- Two style cutting heads: 0° fixed or 135° adjustable



Model	Displacement (cu. in.)	Engine Power (bhp)	Blade Lgth. (in.)	Shaft Lgth. (in.)	Weight (lbs)
HL45	1.66	1.01	20	26	12.2
HL90K	1.73	1.27	20	26	13.01

### Blowers

#### BR500, BR550, BR600

Reduce the noise without sacrificing the power. The STIHL BR 500 features a powerful, low-emission engine and specially designed muffled blower tube so that it operates at a quiet 65dB(A). This makes the BR 500 an excellent choice for use in residential neighborhoods or in municipalities with noise restrictions. The blower also includes a 2-position adjustable blower tube, giving you greater control over its powerful air flow.



- Reduced-Emission Engine Technology
- Low-Noise Sound Damper
- Anti-Vibration System
- Multi-Function Control Handle
- Adjustable Support Harness

Model	Displacement (cu. in.)	Engine Power (bhp)	Weight (in)	Fuel Cap. (oz)	Air Flow Rate (cfm)		Air Velocity (mph)
					w/Tubes	w/o Tubes	
BR500	3.95	3.0	22.3	47.3	477	812	181
BR550	3.95	4.0	21.8	47.3	530	877	199
BR600	3.95	4.0	21.6	47.3	712	1,012	201

### Cut-Off Machines

#### TS410, TS420, TS700, TS800

These cut-off machines are lean, clean, easy to use and easier to maintain. Just squeeze the trigger and watch its 12" cutting wheel grind through iron, steel, concrete and expectations. Part of our STIHL Cutquik® series, this model features advanced filter technology that automatically handles daily maintenance. Its revolutionary X2 air filtration removes 99.96% of particles from air entering the carburetor and engine, making its onboard filters virtually maintenance free. Good thing we included an anti-vibration system to maximize comfort – a feature you'll appreciate after a full day of cutting.



- Reduced-Emission Engine Technology
- X2 Air Filtration System
- Anti-Vibration System
- Semi-Automatic Belt Tensioning
- Ergonomic Grip
- IntelliCarb™ Compensating Carburetor
- Decompression Valve

NOTE: Abrasive wheel included. Diamond wheel sold separately.

Model	Displacement (cu. in.)	Engine Power (bhp)	Weight (lbs)	Fuel Cap. (oz)	Engine Speed (rpm)	Arbor Size (mm)	Wheel Size (in)
TS410	4.07	4.4	20.7	24	9,000	20	12
TS420	4.07	4.4	21.2	24	9,000	20	14
TS700	6.0	6.7	25.6	40.6	9,300	20	14
TS800	6.0	6.7	28.7	40.6	9,300	20	16

### Cutquik Cut-Off Machine Accessories

#### Cut-Off Machine Cart:

Designed to reduce operator fatigue. Attaches to any Stihl Cutquik. Particularly useful where long, straight cuts have to be made, such as cutting expansion joints in road surfaces or squaring off edges in asphalt .....#4201-710-1403

#### Attachment kits for Cutquik carts:

TS 350 .....#4201-007-1047  
TS 400 .....#4223-007-1000  
TS 460 .....#4221-007-1000  
TS 510/760 .....#4205-007-1008

#### A) Water System:

Consists of water connection & two feed nozzles which are mounted on the wheel guard. Optional water tank mounts on cart.

#### Water System Attachments:

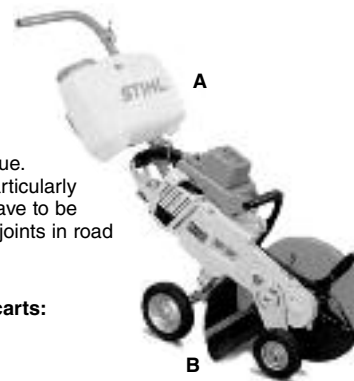
TS 350/400/460 ....#4201-007-1038  
TS 510/760 .....#4205-007-1026  
TS 760 (16").....#4205-007-1027  
Water Tank.....#4201-007-1048

#### B) Depth Wheel:

Attaches to Cutquik cart & permits variable adjustment of depth of cut. Particularly helpful when using diamond cutting wheel....#4201-007-1026

#### Carrying Case:

Heavy metal case has special compartments to hold the TS 350 or TS 360 Cutquik, cutting wheels & various accessories. Also has large handles & vented louvers.....#0463-901-0671



**Power Tools**

**Texas Pneumatic**

**Texas Pneumatic**

**Venturi Type Air Movers**

TX9AMB with a Butterworth Flange  
TX10AM Air Mover

Air movers, or air horns, are used wherever there is a need to disperse fumes, move air into confined spaces, cool men working in elevated temperature conditions, or cool machinery or products with a blast of directed air. Common applications are found in refineries, chemical plants, utilities and co-generation units, metal fabrication plants, paper and pulp plants, shipyards, the marine industry and the steel industry.



6 Models Available  
1182 CFM to 7304 CFM  
(at 80 PSIG)

**Total airflow and Consumed Air at Various Inlet Pressures. American Standard Measurements.**

Performance Total of airflow Equals Compressed Air consumed plus airflow induced.

	INLET PRESSURE		
	40 PSIG Total Air Flow	60 PSIG Total Air Flow	80 PSIG Total Air Flow
TX3AMS	815 CFM	981 CFM	1182 CFM
TX3AM	1017 CFM	1231 CFM	1462 CFM
TX6AM	2385 CFM	2885 CFM	3347 CFM
TX8AM	3152 CFM	4152 CFM	4929 CFM
TX9AMB	4959 CFM	5780 CFM	6816 CFM
TX10AM	4898 CFM	6182 CFM	7304 CFM
	Air Consumed	Air Consumed	Air Consumed
TX3AMS	36 SCFM	50 SCFM	62 SCFM
TX3AM	35 SCFM	45 SCFM	62 SCFM
TX6AM	73 SCFM	98 SCFM	124 SCFM
TX8AM	114 SCFM	152 SCFM	193 SCFM
TX9AMB	139 SCFM	190 SCFM	245 SCFM
TX10AM	154 SCFM	209 SCFM	274 SCFM
FREE AIR INDUCTION RATIOS AT VARIOUS INLET PRESSURES – Dividing total air flow discharged by amount of air consumed			
TX3AMS	22.64	19.62	19.06
TX3AM	29.06	27.36	23.58
TX6AM	32.69	29.44	26.99
TX8AM	27.65	27.32	25.54
TX9AMB	35.68	30.42	27.82
TX10AM	31.80	29.58	26.66

Texas Pneumatic air movers have been tested at an independent laboratory. The free flow ratings listed are based on tests to AMCA Standard 210. Under identical testing situations, Texas Pneumatic air movers equaled or exceeded the airflow of competitively manufactured air movers.

The free air induction ratio is a measure of efficiency of a venturi type air mover. The ratio is determined by dividing the total CFM discharged by the amount of air consumed. The accuracy of the figures of the free air induction ratio depends again on the accuracy of the method of testing. All free flow ratings of Texas Pneumatic air movers are based on tests to AMCA Standard 210.

**TX-1AMF Manifold**

- Conveniently manufactured to save you time.
- Baffles increase interior surface area for improved condensation collection.
- Cage protects the valves and makes it easy to move.
- Ball valves control the number of outlets available.
- Pressure relief valve provides protection against excessive pressure build-up.
- Particulate filters produce clean air at the tool preventing downtime.



The Texas Pneumatic Air Manifold can be used in any industry where there is a need to have multiple outlets of air to supply various pneumatic tools simultaneously. The manifold comes with a 1-<sup>o</sup> air inlet and can be dispersed through and up to six separate 3/4" Chicago couplings. Each outlet is regulated by a bronze safety lock on/off self-relieving ball valve. For an adequate air supply to each tool, use the formula shown:

- continues -

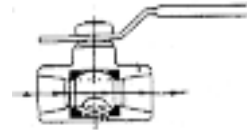
TX-1AMF Manifold (continued)

**Manifold Application Formula:**

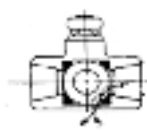
Air Tool Consumption x Number of Tools = CFM Required  
(CFM)



**Venting Operation**



Valve in open position.  
Drain vent shut off.



Valve closed and draining.  
Upstream seat stops air-flow. Downstream system is vented to atmosphere.

When this valve is shut off for maintenance of pneumatic tool, pressure from valve to tool is automatically drained to atmosphere to prevent accidental operation of the tool, causing possible injury.

**Specifications:**

Model #	TX1AMF
Weight (lbs):	102
Dimensions (in):	Height 15"
Diameter (in)	36
Inlet Size	1- <sup>o</sup>
# Of outlets	6

**TX-10017 Air Manifold Filter Kit**

Filter Replacement Kit includes parts to refurbish all 6 filters in a Texas Pneumatic Air Manifold. This kit includes:

- TX-10013 (6) 40 micron sintered bronze filter.
- TX-10014A (6) "O" ring
- TX-10014B (6) Rubber seal
- TX-10015 (6) Spring

**TX-1AMF-WF Air Manifold with Water Filter**

- Water filters (particulate filters) produce clean, dry air at the tool preventing rust and clogging which reduces downtime of tools and saves money.
- Conveniently manufactured to save you time.
- Cage protects valves and makes it easy to roll around.
- Ball valves control the number of outlets available.
- Pressure relief valve provides protection against excessive pressure buildup.

**Features...**

- Arrow 910 CFM water filter
- Internal baffle design
- 6 bronze self-relieving ball valves
- 200 psi A.S.M.E. pressure relief safety valve
- Six 40 micron sintered bronze filters



**Specifications:**

Model #	TX1AMF
Weight (lbs):	114
Dimensions (in):	Height 22.5"
Diameter (in)	36
Inlet Size	1- <sup>o</sup>
# Of outlets	6



# Trelawny®

## Trelawny®

### TVS®/TOOL & VACUUM SYSTEMS

#### PPT Peening Prep Tools

**Application:**

These versatile, high production tools are ideal for coatings removal from both steel and concrete substrates. Quick change hubs with an assortment of abrasives enables you to remove everything from mastics, alkyds, and epoxy coatings rapidly and dust free. The Trelawny PPT can even remove coatings from piping and curved surfaces! If you need a tool that can do everything from profiling steel to removing hazardous coatings in a dust free environment, the Trelawny Peening Prep Tools are the tools that get the job done.

Note: All PPT's are available in compressed air and electric drive configurations, both 2" and 4" models.

**Features and Benefits:**

- The total package - one size power source maintains speed under load to maximize coating removal. Converts in a minute to accept other surface preparation products.
- US Patent Pending designed vacuum shroud engineered specifically for lead/contaminate removal, maximizes capture of debris and virtually eliminates detectable dust emissions. Front and rear roller guides enable work on flat, narrow and curved surfaces. Comply with OSHA and EPA standards easily when matched with TVS® HEPA vacuums.
- Optional accessories include star cutters and hammer hub assemblies for tackling more demanding applications such as non-skid, PRC and coal tar removal.
- Available either as separate tools or in kit form to cover a wider range of applications.



Model 194.0205



Model 194.0405

Trelawny TVS® peening prep tools utilize 3M brand Heavy Duty Roto Peen™. In accordance with SSPC surface preparation specifications, it may be necessary to utilize more than one type of cleaning device to achieve SP-11. Call for more information.

**Specifications - Peening Prep Tool**

The specifications for both the air and electric powered 2" & 4" tools with hub changeouts are available.

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Model #	194.0205	194.C205	194.0405	194.C405	194.0215	194.C215	194.0415
Drive Motor	Air	Air	Air	Air	Electric	Electric	Electric
Horse Power	1.2	1.2	1.2	1.2	-	-	-
Power Output WATTS	-	-	-	-	700	700	700
Hub Type	Roto Peen	Star Cutter	Roto Peen	Star Cutter	Roto Peen	Star Cutter	Roto Peen
Working Width (in)	2-1/4	2	4-1/4	4	2-1/4	2	4-1/4
Tool Width (in)	6-1/4	6-1/4	8-1/4	8-1/4	9-3/4	7-3/4	9-1/2
Tool Ht. (in) (w/o handles)	6	6	6	6	6	6	6
Tool Lgth (in)	14	14	14	14	15	15	15
Wt. (lbs)	7.5	11.5	9	14	9.7	13.7	11
No Load-RPM	2700	2700	2700	2700	2000	2000	2000
No. Roto Peen Flaps	6	-	12	-	6	-	12
Air Pressure Reg (PSI)	90	90	90	90	-	-	-
Air Consumption (SCFM)	30	30	30	30	-	-	-
Power Req. WATTS/AMPS	-	-	-	-	1200/10	1200/10	1200/10
Voltage	-	-	-	-	120	120	120

### Shrouded Right Angle Grinder

**Application**

The 5" SRA Shrouded Right Angle Grinder is ready to tackle your toughest grinding surface preparation needs. Whether you're grinding coatings for spot cleaning or feathering for recoating, the SRA can handle the challenge with ease, dust free.



Model 195.5500

**Features & Benefits**

- Heavy Duty 1.2 H.P. power source maintains speed under load to maximize coatings removal.
- Single power source for both PPT and SRA standardizes all replacement bearings, vanes, etc.
- \* Note: PPT's rotational speed is 2700 RPM  
SRA's rotational speed is 5500 RPM
- Perfectly Matched/Engineered vacuum shroud incorporates a flexible polymer shroud with a 360° radial vacuum take-off to insure even air flow and maximize capture of dust & debris.
- Designed & Tested around our full range of HEPA vacuums to provide a system that "works," even under the most demanding conditions.
- Fixed or Floating heads available.

Trelawny's SRA, Shrouded Right Angle Grinders, utilizes a 3M brand Coating Removal Discs or CRD®. The advantage of this non-woven, open web disc is that it will remove residual coatings or corrosion impacted into the substrate after coating removal with the AAT or PPT, but will not destroy the surface profile produced by these tools. In accordance with SSPC surface specifications, it may be necessary to utilize more than one type of cleaning device to achieve SP-11, power tool cleaning to bare metal. Consult us for more detailed information. A full range of abrasives are available. Call for details.

**Specifications** - All Trelawny TVS Grinders are equipped with 1/4" NPT, air inlet.

Model No.	Cleaning Path & Description	Free Speed	H.P.	Air Consum. S.C.F.M.	Weight w/Disc (lbs)
195.5500	5" SRA	5500 RPM	1.2	30	7
195.5501	5" SRA w/floating head	5500 RPM	1.2	30	7.5

**Power Tools**

# Trelawny

## AAT Angle Accessible Tools

**Application:**

The Angle Accessible Tools are a must for any power tool cleaning operation. Continually self adjusting needles conform to nearly any surface. The interchangeable cuffs allow for dust free coatings removal on difficult, irregular surface areas. Combine this with our legendary hitting power and you have a state of the art piece of equipment capable of rapid coatings removal with no harmful dust emissions. Some examples of cleaning capabilities are: Rivet heads, Corners, Edges, Weld seams, Steel door jams, Steel window sills, Bridge bearings, Tubing, etc.

**Features and Benefits:**

- Angle-access adjustable front assembly-uncomplicated design with unparalleled performance in a lightweight "user-friendly" unit.
- Three easily interchangeable flexible cuffs allow for proper surface coverage even in hard to reach areas. Maximum capture and containment of debris.
- Heavy duty needle holder assembly of hardened steel parts for greater wear resistance.
- Trelawny manufactured 3mm chisel tip needles are standard. The special tips are ideally suited for aggressive scaling of thicker coatings and provide rapid removal rates. 2mm flat needles for meeting SP-11, 3mm pointed needles for deep cavities and profiling.
- 100% localized bottom exhaust prevents exhaust air from working against vacuum recovery.



AAT – MODEL 139.3107

**PG Shrouded Tool Kit includes**

- Tool fitted with 28, 3mm chisel tip needles
- Three (3) Flat Cuffs
- Two (2) inside Corner Cuffs
- Two (2) outside Edger Cuffs (3 BPG only)
- 3/8" x 6 ft. Air Hose Assembly to connect to TVS Vacuums
- 250 2mm Flat Needles
- 100 extra 3mm Chisel Tip Needles
- Two (2) 2mm and one (1) 3mm Needle Holders
- One additional anvil
- All packaged in a rugged carrying case



AAT KIT – MODEL 139.3100

**Specifications** - All Trelawny TVS Needle Scalers are equipped with 1/4" NPT air inlet.

Model No.	Description	Cyl. Bore (in)	Piston Stroke (in)	Blows Per Min.	Air Consum. S.C.F.M.	Wt. (lbs)
139.3100	3BPG Kit	1.125	1.54	2200	8	8.5
139.2100	2BPG Kit	0.925	1.4	3000	5.5	5.0
139.3107	3BPG Tool Only	1.125	1.54	2200	8	8.5
139.2107	2BPG Tool Only	0.925	1.4	3000	5.5	5.0

## Para Scaler and "Stump Tool" Scaler



Para Scaler Models 139.1007 (top) & 139.2007 (bottom)



Stump Tool Model 199.2099

**Application**

Finally, tools that allow you to clean those troublesome areas previously inaccessible with vacuum shrouded power tools. Trelawny's new line of "Para Scalers" and the "Stump" needle scaler will now make cleaning lattice work, bridge bearings, and other problem spots a snap. Considering that up to 30% of most projects consist of these problems areas; "You Can't Clean It If You Can't Reach It!"

**Para Scalers Features and Benefits**

- Parallel vacuum takeoff allows access to reach areas with no interference from vacuum hoses or air lines.
- Quick Change flexible cuff assembly insures efficient capture and containment of hazardous material on corners, angles, edges and flat surfaces.
- Powerful high impact design provides maximum productivity on irregular surfaces.
- Rugged hardened steel components stand up to the most demanding applications.
- Positive Lock cuff retainer prevents accidental release of vacuum cuffs during operation.
- Accepts a wide variety of needles to suit virtually any application.
- 100% Localized Exhaust prevents tool exhaust from interfering with vacuum recovery.

**"Stump Tool" Needle Scaler Features and Benefits**

- Reduced length, only 7-1/2" total length, allows access into lattice work, bearings, and I beams.
- Powerful high power in a small package.
- Remote Throttle allows for one handed operation.
- Interchangeable cuff assembly insures maximum containment for corners, angles, edges, and flat surfaces.
- 100% Localized Exhaust prevents exhaust air from working against the vacuum.
- Perfectly Matched to our full range of HEPA vacuums providing a system that "works" for the most demanding applications.

Model No.	Description	Cyl. Bore (in)	Piston Stroke (in)	Blows Per Min.	Air Consum. S.C.F.M.
<b>Para Scalers Specifications</b>					
139.1000	1B Para Scaler Tool Kit	.710	1.25	3800	3
139.1007	1B Para Scaler	.710	1.25	3800	3
139.2000	2B Para Scaler Tool Kit	.925	1.4	3000	5.5
139.2007	2B Para Scaler	.925	1.4	3000	5.5
<b>"Stump Tool" Needle Scaler Specifications</b>					
199.2099	Stump Needle Scaler	.925	1.4	3000	5.5

## Trelawny

### SSH Shrouded Scaling Hammers

#### Application

Heavy duty percussive power combined with carbide tipped cutting heads equal rapid coating removal on both concrete and steel substrates, even for the most demanding applications. The heavy duty scaling hammers are ideally suited for "fracturing" thicker, tough to remove materials. Available in several distinct versions, Trelawny's shrouded scaling hammers are proven to be the choice for removing everything from high mil industrial coatings to thick laminar rust.

#### Features & Benefits

- Heavy duty piston scaling action - 50% more powerful than competitive models for faster material removal.
- Replaceable threaded scaling heads (tips) - quicker changes, less downtime. Tungsten carbide inserts stay sharper longer!
- Nylon brush seals clean pistons on every stroke for smooth performance and dependability.
- Durable shroud with urethane seal for improved dust capture over nylon brush types.
- Four distinct styles... often used to compliment each other in same job site areas!



Model 139.5390

**Specifications** - All Trelawny TVS Scaling Hammers are equipped with 3/8" NPT air inlet.

Model Number	Description & Handle Length	Cyl. Bore (in)	Piston Stroke (in)	Blows Per Min.	Air Consum. S.C.F.M.	Wt. (lbs)
139.5192	HD Single/Long	1.06	1.04	2500	6.5	9.5
139.5190	HD Single/Short	1.06	1.04	2500	6.5	8.5
139.5392	HD Triple/Long	1.06	1.04	2300	14	13.5
139.5390	HD Triple/Short	1.06	1.04	2300	14	12.5

### Shrouded Floor Scaler & Scabblers

#### Application

Both Scale Force 11 and the new "Impact" Scabblers are ideally suited for thick coating removal and surface preparation on large areas. The lighter scale force 11 is designed to provide rapid scale or coatings removal from steel substrates. The newly released "Impact" 11 head Scabblers makes quick work of the toughest material removal from concrete or steel. The Impact is even capable of concrete removal of up to 1/4" in one pass, making it ideal for removing radioactive or PCB contaminated concrete.

#### Features & Benefits

- Durable steel shroud with urethane seal for improved dust capture over nylon brush types.
- Compact Body Design. Less than 12" across for work between structures...or up to 1" from edges.
- Solid Rubber Wheels permanently mounted for easy transport into confined areas.
- Lightweight. Scaler weighs only 82 lbs., easier to maneuver than competitive units. Scabblers weigh 160 lbs. for the most demanding application.
- Special Double Rubber Mounting System virtually ends vibration to the operator... less fatigue.
- Multi-position Handle allows easy access under obstructions.
- Simple Operation/Transport Design. Lock and unlock in a flash.
- Powerful Piston Action  
Scaler-2300 blows per minute per piston.  
Scabblers-2300 blows per minute per piston.



Model 159.6001

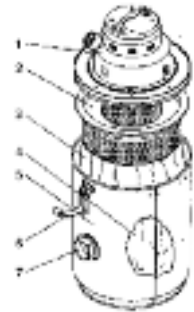
**Specifications** - S.F. 11 is equipped with 1/2" air inlet

Model No.	Description	Cyl. Bore (in)	Piston Stroke	Blows Per Min.	Air Consum. S.C.F.M.	Wt. (lbs)
159.5921	Scale Force 11	1.06	1.04	2300 x 11	50	83
159.6001	Impact	1.125	1.535	2300 x 11	70	160

### H.E.P.A. Vacuums

By combining our heavy duty rotary and percussive tools with custom engineered H.E.P.A.\* vacuums, Trelawny offers a material removal and surface preparation system to meet the most demanding requirements.

\*H.E.P.A. High Efficiency Particulate Air



#### Features & Benefits

##### 1. Powerful Vacuum Generators

- Exceeds performance specifications of equal capacity vacs.
- Simple design and covered by a conditional two (2) year warranty.
- Super quiet, only 77 dB(A).
- Protected by a rugged, chrome-plated, one-piece, steel dome cover.

##### 2. Custom H.E.P.A. Filter

- Meets military and "UL" specification 586 and 900 plus ANSI, A.E.C., OSHA, and EPA specifications.
- Special two-way sealing rim, top and side, for added safety.
- Individually D.O.P. tested and certified for 99.97% efficiency against 0.3 micron size particles (per mil-std 282).

##### 3. Intermediate Filter

- Designed to extend the life of the H.E.P.A. filter.
- Two-ply, double seam construction.
- Elastic top for proper fit, around container rim.

##### 4. Disposable Filter Bag

- (6 gallon, 21 gallon models only)
- 2 Ply construction for initial filtration.
- Self-adhesive seal patch to prevent material spilling.
- OSHA stamped to insure safe handling.

##### 5. Recovery Tank

- Heavy gauge stainless steel or painted steel for long life and easy cleaning. (Available in 6 gallon back pack and 21 gallon floor model only.)

##### 6. Down Latches

- Sturdy 1" wide for secure locking.

##### 7. Vacuum Hose and Tank Connection

- Triple pin, all metal for positive lock and seal.
- Crush-proof 1-1/2" hose with full 360° swivel.

#### Optional Accessory

- Contaminant Sampler - In-Line Stainless Steel and Teflon unit designed for Radioactive/Hazardous sampling without risk of cross contamination. Capacity of recovery tank up to 3Kg (i.e., 6.6 lbs.) Fits easily into standard glove bag for sample retrieval.
- Wet/Dry Adapter (21 gallon, 55 gallon models only)

*Trelawny vacuums can also be utilized separately for safe removal and recovery of materials in areas such as waste site remediation, chemical plants (non-combustible materials), nuclear power plants, pulp and paper mills, and numerous other industries.*

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**Power Tools**

**Trelawny**

*H.E.P.A. Vacuums (continued)*



Model 308.3100    Model 308.3150

**Specifications - 55/35 Gallon Floor Vacuum**

Model #	308.3100*	308.3150*
Description	Drum Top Compressed Air Floor Vacuum	Drum Top Electric Floor Vacuum
Recovery Cap. (gal)	55/35	55/35
CFM Output Flow	170	110
Static Lift Inches of H <sub>2</sub> O	160	110
H.P.	-	2.25
Compressed Air Consumption/SCFM	50 at 90 PSI	-
Max. Hose Length (ft x in)	75 x 1.5	25 x 1.5

**Specifications - 15 Gallon Floor Vacuum**



Model 307.3100



Model 307.3350

Model #	307.3100*	307.3350*
Description	Stainless Steel Compressed Air Floor Vacuum	Steel Electric Floor Vacuum
Recovery Cap. (gal)	15	15
CFM Output Flow	170	110
Static Lift Inches of H <sub>2</sub> O	160	110
H.P.	-	2.25
Compressed Air Consumption/SCFM	50 at 90 PSI	-
Max. Hose Length (ft x in)	75 x 1.5	25 x 1.5

**Specifications - 3.3 Gallon Backpack**



Model 305.3100



Model 305.3150

Model #	305.3100*	305.3150*
Description	Backpack Compressed Air Vacuum	Backpack Electric Vacuum
Recovery Cap. (gal)	3.3	3.3
CFM Output Flow	170	110
Static Lift Inches of H <sub>2</sub> O	160	110
H.P.	-	2.0
Compressed Air Consumption/SCFM	50 at 90 PSI	-
Max. Hose Length (ft x in)	75 x 1.5	25 x 1.5

\*Available in Wet/Dry Set-up

**PNEUMATIC TOOLS**

**Long Reach Scalers**

**Features & Benefits:**

**Exclusively Designed Chisel Holder**

- Choose from the widest range of chisel and scraper blade widths available anywhere... 1" thru 12" including 2" and 4" spark resistant sizes.
- Modern single ball retainer for safe lock and quick fit.

**The True "Convertibles"**

- Change to a needle scaler in seconds, giving you two tools from one.
- Multiplies the versatility, pinpoints unique applications.

**Air Efficient & Economical To Use**

- Consumes only 5 CFM @ 90 PSI.
- Can be powered by a 1-1/2 HP compressor!

**Ruggedly Built**

- Low maintenance, long service life.
- Stays on the job, even in harsh environments.



**TRELAWNY** Long Reach Scalers are truly the "One-Of-A-Kind" tools. Standard 2, 4, 5 and 6 ft. lengths take the backache out of difficult floor cleaning. The alloy aluminum "Lite" version is perfect for walls and overhead.

The Long Reach can often replace a labor intensive job of scraping or scaling with an awkward, non-powered hand tool. With an ever expanding range of uses, every major industry can benefit from long reach application imagination.



**Deluxe Long Reach Accessory Kit**

Packaged complete in a rugged carrying box, includes: 1", 2" & 4" Wide steel chisels. Needle scaler attachment, 4" Wide flex blade, 8" Wide scraper/blade, 12" Wide scraper/blade

**Long Reach Scabblers**

**Features & Benefits:**

**9" Throttle Handle**

- Greater Operator Control.
- Reduces Fatigue.

**Angled Air Inlet**

- Below throttle handle for better maneuverability.

**All Steel Construction**

- Extra durability and low maintenance.

**TRELAWNYS** Long Reach Scabblers are powerful tools for deep concrete dressing and for filler compacting especially into deep foundation and around utility poles (when fitted with our 4" or 6" tamper head).

