

Milwaukee[®]

2004 PRODUCT CATALOG

MILWAUKEE ELECTRIC TOOL CORPORATION

PRIDE IN WORKMANSHIP. RESPECT FOR HONEST LABOR. DEDICATION TO MAKING A DIFFERENCE.
THESE ARE BELIEFS WE SHARE WITH THE PROFESSIONAL TRADESMEN AND WOMEN WE SERVE.

Milwaukee[®]

Nothing but heavy duty



WWW.MILWAUKEETOOL.COM

Milwaukee Electric Tool Corporation

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Customer Service

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2004 CATALOG
MILWAUKEE ELECTRIC TOOL CORPORATION



NOBODY EVER GOT A BLISTER BUILDING A WEB SITE.



Like the new award winning Lok-Tor® cordless drills that give you higher torque and all-metal ratcheting chucks with carbide jaws. www.milwaukeetool.com. Milwaukee. Nothing but heavy duty.

Milwaukee®

BUILDING THE FUTURE... R-e-s-p-e-c-t for the Trades



The Red Zone Experience



"Just think, some guys only get to work with pens."



Trade Ads



Back of T-Shirt*
"NOBODY EVER GOT A BLISTER BUILDING A WEB SITE."
MT090 - Ash
MT088 - Black

"THERE AREN'T MANY JOBS WHERE YOU HAVE TO BE AS TOUGH AS YOU ARE SMART."
MT093 - Ash
MT092 - Black

* Milwaukee logo on front of T-Shirt.

NEW Spanish Version!
Back of T-Shirt*
"¿QUE SEIRA DE LA CONSTRUCCION SI NO HUBIERA LATINOS? NADA."
MT159 - Ash
MT158 - Black



2005 Desk Calendar
(Available after November 2004)

To order "Respect For The Trades" T-Shirts or 2005 Desk Calendar call 1-800-721-4191 or visit our website www.milwaukeetool.com and click on "Milwaukee Gear"



Rodney Dangerfield gets none of it, Aretha Franklin asks for it, and the trades definitely need it. We're talking about a little R-E-S-P-E-C-T.

If you've seen our new ads or been to a recent Milwaukee event, you might have noticed a new look, featuring real tradesmen. It revolves around respect for what you do, both on and off the job site.

RESEARCHING THE TRADES

Milwaukee interviewed hundreds of trades people across the country, many of them Heavy Duty Club Members, asking about your jobs, your tools, and what is

important to you. Here's what you told us: You like your jobs, your independence from an office and even the changes in weather. You like the guys you work with and the challenges you face when the blueprints aren't right. You have fun, but you're not the loud mouth braggart shown in beer commercials. More realistically, you like using your experience and skills to help apprentices and others in your communities. You're dedicated and take great pride in your work, even to the point of photographing a job or taking your family to see it. But your biggest frustration is people who don't value the knowledge, effort and experience it takes to build bridges or their homes. Your job is just as important to our society as a teacher, doctor or a lawyer. Your tools are important as well, and you rely on them each day to perform without returning or repairing tools that fail.

With your average age at 47, the trades have a potential crisis in the making, as you retire in the next 10-15 years. Vo-tech schools tell us that fewer young people than ever are entering the trades, partly because the Nintendo generation hasn't been sold on all that the professional trades offer.

BUILDING THE NEXT GENERATION

At the end of this research, we knew that although Milwaukee has always respected the trades, we could help get the message through to everyone else, that work in the trades is challenging and rewarding, especially for the next generation of professionals. Milwaukee can help get more recognition - and respect - for what you do through our communication efforts. We understand our business can only be as strong as the trades.

A MESSAGE WITH MEANING

Other power tool companies focus only on their latest products' features and benefits. We developed the Respect message to show the value of honest labor, your pride in workmanship and the passion and dedication you bring to your job. We hope to elevate the trades and raise the consciousness of trade careers as an option. As you told us, a career in the trades beats many jobs in the service sector or dwindling manufacturing jobs. They can be more rewarding than white-collar careers in many ways, too.

Working closely with Vo-tech schools, trade associations, unions, Habitat-for-Humanity and Fire and Rescue training we plan to convey the "Respect for the Trades" message in all of our brand communications from trade ads, calendars, T-shirts and screen savers to Vo-tech recruitment posters.

RED ZONE EXPERIENCE

To get the message out we've launched the Red Zone Experience, a 53-foot interactive mobile event and training vehicle designed to provide hands-on testing of Milwaukee tools for professional tradesmen and women. The Red Zone Experience offers power tool application and safety training as well as provides the latest new product innovations from Milwaukee. The 53-foot trailer has pop-out sides that expand the rig into a mobile training center and also has extensive areas for contractors to

test new products. It is designed with three separate zones that feature the Milwaukee Experience - a job-site themed theater for video presentations, a training facility/display area and a product testing area.

Additionally, Milwaukee intends to elevate the trades and raise the consciousness of trade careers as an option. The Red Zone Experience is being used to promote to potential students the benefits and rewards of careers in the trades using Milwaukee's Respect for the Trades message.

Visit the Milwaukee website to see when the Red Zone Experience will be in your area.



AN OLD CONCEPT

Of course, Milwaukee will continue to build nothing but heavy-duty tools. Unlike competitors who spend millions on marketing hype, we have always focused on end-user research, innovative designs and quality components to solve everyday problems. We respect tradesmen through manufacturing tools designed with better ergonomics, anti-vibration handles, lower noise ratings and dust collection bags as well as innovative, productivity enhancing features such as adjustable handles. You work hard enough and we need to provide tools that are faster, easier and safer, as well as more comfortable to use.

In addition, we have always focused on "training the trades" through our sales reps and training department. We offer safety education, training videos and manuals to Vo-tech schools, fire stations, unions, trade organizations, our distributors and their service repair technicians.

SERVICE/SUPPORT

You also told us how important it is for manufacturers to stand behind their products. We understand that you need your tools to last day in and day out, for this reason serviceability is designed into every tool we produce. If a problem does arise, we offer the largest authorized service network available to get you and your tool back on the job fast, because we recognize your time is money.

HELPING OUR COMMUNITIES

And like you, our employees help our communities, quietly and without hype. We annually support Habitat for Humanity, SIDS, Special Olympics, United Way, PBS television and more. We give back to our communities through our long standing support of Habitat for Humanity, with tools, vehicles, volunteers and financial aid. After all, we all share the same vision of building our communities...The back of our new catalog sums it up best:

PRIDE IN WORKMANSHIP. RESPECT FOR HONEST LABOR. DEDICATION TO MAKING A DIFFERENCE. THESE ARE THE BELIEFS WE SHARE WITH THE PROFESSIONAL MEN AND WOMEN WE SERVE.

Nothing but heavy duty





Join an elite group of power tool users today!

It's FREE and you'll get . . .

- A Newsletter packed with useful tool tips and new tool information.
- Special "Members Only" Offers for Milwaukee tools, accessories and gear.
- The opportunity to enter to WIN FORD® F- SERIES SUPER DUTY TRUCKS as well as TOOLS and "MILWAUKEE GEAR!"

CLUB NEWS

Heavy Duty Club: Our pledge to you

You work hard day in and day out and expect your tools to work as hard as you do. As a Professional Tool User you expect your tool to be durable, reliable and HEAVY DUTY...in other words a MILWAUKEE.

The Heavy Duty Club provides a special forum for users like you. Become a member of Milwaukee's Heavy Duty Club and you'll become part of an elite group of power tool users.

The Heavy Duty Club is a way to share new tool information, tool tips and valuable input that's key for us to develop tools that better meet your needs. In return we will offer member specials, updates on promotions and a commitment to a little fun.

As a member, let us know what you think. This is your club, and we pledge to make it useful, fun and helpful to you.



- **Tool Tips** and techniques from tool maintenance to specific tool or accessory applications.
- **Tool Testimonials** from Milwaukee users that redefine durable, reliable and HEAVY DUTY.



MEMBER SPECIALS

Visit our website at www.milwaukeetool.com
It offers even more...you'll get:

- Special "Members Only" access to the Heavy Duty Club Website.
- More contests, discount coupons, offers, tool tips, testimonials!
- Store and register all your tools in "My Tool Box."
- Magazine articles on tools and the latest Club News.
- A Heavy Duty Club "Tool Talk" board for members to discuss power tool questions, solutions and information to aid other tool users.
- Take surveys to help us make tools that meet your needs.
- Access to product information, operators manuals, service parts lists, wiring instructions, FAQ's and more!



Go to our website for more chances to win tools!
www.milwaukeetool.com



**HEAVY-DUTY WARRANTY
FACTORY SERVICE/SALES SUPPORT:**

1-800-SAWDUST

Monday – Friday • 6:00 AM – 6:30 PM • CST

The Industry's Best Heavy-Duty Warranty!



Milwaukee will repair any defective tool
within **5 YEARS** from the date of purchase.

PLUS

1-YEAR FREE MAINTENANCE

Consists of electrical safety checks and performance tests.

Available only at Milwaukee Service/Sales Support Branches.

FIVE-YEAR TOOL LIMITED WARRANTY

Every MILWAUKEE tool is tested before leaving the factory and is warranted to be free from defects in material and workmanship. MILWAUKEE will repair or replace (at MILWAUKEE's discretion), without charge, any tool (including battery chargers) which examination proves to be defective in material or workmanship from five (5) years after the date of purchase. Return the tool and a copy of the purchase receipt or other proof of purchase to a MILWAUKEE Factory Service/Sales Support Branch location or MILWAUKEE Authorized Service Station, freight prepaid and insured. This warranty does not cover damage from repairs made or attempted by other than MILWAUKEE authorized personnel, abuse, normal wear and tear, lack of maintenance, or accidents.

Battery Packs, Flashlights, and Radios are warranted for one (1) year from the date of purchase.

THE REPAIR AND REPLACEMENT REMEDIES DESCRIBED HEREIN ARE EXCLUSIVE. IN NO EVENT SHALL MILWAUKEE BE LIABLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, OR CONDITIONS, WRITTEN OR ORAL, EXPRESSED OR IMPLIED FOR MERCHANTABILITY OR FITNESS FOR PARTICULAR USE OR PURPOSE.

This warranty gives you specific legal rights. You may also have other rights that vary from state to state and province to province. In those states that do not allow the exclusion of implied warranties or limitation of incidental or consequential damages, the above limitations or exclusions may not apply to you. This warranty applies to the United States, Canada, and Mexico only.

**PRIDE IN WORKMANSHIP. RESPECT FOR HONEST LABOR. DEDICATION TO MAKING A DIFFERENCE.
THESE ARE THE BELIEFS WE SHARE WITH THE PROFESSIONAL MEN AND WOMEN WE SERVE.**



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FOR EVEN MORE INFORMATION ON OUR PRODUCTS TRY OUR WEBSITE AT:

www.milwaukeetool.com



- Join The Heavy Duty Club Online And Receive Special "Member Only" Offers, Access To "Tool Tips" And The Latest New Products.
- Find An Online Or Local Distributor
- Learn About Milwaukee
- Find Warranty And Service Information Including Service Parts Lists, Wiring Instructions And Operators Manuals
- Tool Comparisons
- Brochures, Interactive Demos
- Related Articles
- Suggested Accessories
- Tool Training Online
- Screen Savers, Wallpapers and More!

HEAVY-DUTY GENERAL INFORMATION

MILWAUKEE DISTRIBUTORS:

MILWAUKEE Electric Tools are sold only through Authorized Distributors with experienced personnel to assist you in selecting the proper tools for your specific requirements and that maintain well-balanced inventories of tools for fast delivery.



Look for your nearest **MILWAUKEE** distributor in the Yellow Pages—under "Tools - Electric."

Or visit our website www.milwaukeetool.com and click on **Where to Buy**

LISTED:

MILWAUKEE Heavy-Duty Tools bearing the monograms of Underwriters' Laboratories, Inc., or Canadian Standards Association are listed by their testing laboratories as having complied with their standards for safety. Milwaukee Electric Tool Corporation certifies that all tools comply with O.S.H.A. and U.L. requirements.



MILWAUKEE MOTORS:

All MILWAUKEE corded tool motors are universal type and will run equally well on DC or AC (20 to 60 Hz) except those used on Bench Grinders, Water Pumps, Vacuum Pumps and Hoists. Tools with switches or controls requiring AC operation are indicated as "AC" or "AC Only" under the tool's specifications.

GENERAL INFORMATION:

The Milwaukee Electric Tool Corporation reserves the right to make any change or improvements to its products without incurring any liability or obligation whatever and without being required to make any corresponding changes or improvements in products previously manufactured or sold.

OPERATING INSTRUCTIONS:

An operator's manual is furnished with each MILWAUKEE Electric Tool. Please read it carefully for best care and performance. **IMPORTANT—Pay particular attention to all safety warnings before operating any power tool.**

HORSEPOWER:

Horsepower ratings in this catalog refer to the **maximum** horsepower output developed by the tool and not the power developed at rated current.

CORPORATE NAMES & TRADEMARKS

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- | | | |
|-------------------------|-------------------------|---------------|
| 44 MAGNUM™ | POWER-TIGHT™ | SUPER-TOUGH® |
| BODYGRIP® | QUIK-LOK™ (blade clamp) | THE AX™ |
| CLIP-LOK™ | QUIK-LOK® (cord) | THE TORCH® |
| EAGLE™ | ROTO-LOK® | THE RED ZONE™ |
| ENDURANCE® | ROUTERSTATION™ | THUNDERBOLT® |
| FAT PACK® | SAWZALL PLUS® | THUNDERMAX™ |
| GRIP-LOK™ | SAWZALL® | TILT-LOK™ |
| HAWG WASH® | SAWZALL - THE HATCHET® | U.S.1® |
| HAWK® | SHARP-FIRE® | VAC-U-RIG® |
| HEX GRIP™ | SMART START™ | |
| HOLE HAWG® | STEEL HAWG® | |
| JOB SAW™ | SUPER HAWG® | |
| LOK-TOR® | SUPER SAWZALL® | |
| MAGNUM® | SUPER SHARP® | |
| MILWAUKEE® | | |
| NOTHING BUT HEAVY DUTY® | | |



TRADE ASSOCIATIONS:



MILWAUKEE SYMBOLS AND ICONS USED IN CATALOG:

- | | | | | | | | | | | |
|------------------|---------------------|----------------------|-----------------|-----------------------|---------------------|--------------------|-----------------|-------------------|---------------------------|----------------------|
| | | | | | | | | | | |
| Double Insulated | 1 Battery Included | 2 Batteries Included | Battery Charger | Steel Carrying Case | Impact Resist. Case | Contractor Bag | 1 Sawzall Blade | 2 Sawzall Blades | 25 Sawzall Blades | Vibration Isolation |
| | | | | | | | | | | |
| 3-Wire Grounded | Twist-Lok Plug Type | Quik-Lok® Cord | Reversing | Use Spline Drive Bits | Use SDS Drive Bits | Use Hex Drive Bits | Round Hex Bits | Collared Hex Bits | Circle Saw Blade Included | Side Handle Included |

ELECTRONICS

Tools with this designation have built-in hi-tech electronic switching and speed control components.

AVAILABLE CORDLESS

Tools featuring the "Available Cordless" symbol are also available as a cordless product. The page number will appear with the symbol.



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www.milwaukeetool.com

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Quality for you —
Environmentally
friendly for your
future.

OUR PRODUCTS ARE DESIGNED, MANUFACTURED AND
SERVICED TO MINIMIZE IMPACT ON THE ENVIRONMENT.



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18 VOLT SYSTEM



Job Site Radio



Sawzall - The Hatchet®
Recip Saw



6-1/2" Metal
Cutting Circular
Saw



Sawzall® Recip Saw



6-1/2" Circular Saw



1/2" Right Angle Drill



1/2" Impact Wrench
3/4" Impact Wrench



D-Handle Drill



48-11-2230
2.4 Amp-Hour



Rotary Hammer



7/16" Hex Quick
Change Impact
Wrench



Work Light



Lok-Tor® 1/2"
Hammer-Drill



Lok-Tor® 1/2"
Driver/Drill



NEW

ON DRIVER/DRILLS,
IMPACT WRENCHES,
HAMMER-DRILL,
AND SAWZALL-THE HATCHET





HEAVY-DUTY Lok-Tor® SERIES COMBO KITS



CATALOG NO. **2 TOOL COMBO KIT** **0901-24 With Carrying Case**
0901-28 With Contractor Bag

2 TOOL COMBO KIT **0902-24 With Carrying Case**
0902-28 With Contractor Bag

DESCRIPTION	Sawzall® Recip Saw with 1/2" Lok-Tor® Hammer-Drill Combo Kit	6-1/2" Circular Saw with 1/2" Lok-Tor® Hammer-Drill Combo Kit
HAMMER-DRILL	0624-20	0624-20
SAWZALL® RECIP SAW	6515-20	—
CIRCULAR SAW	—	6310-20
BATTERY	48-11-2230 (Two 2.4 Amp-Hr.)	48-11-2230 (Two 2.4 Amp-Hr.)
CHARGER	48-59-0255	48-59-0255
IMPACT RESISTANT CASE	(0901-24) 48-55-3000	(0902-24) 48-55-1300
CONTRACTOR BAG	(0901-28) 48-55-3510	(0902-28) 48-55-3510
SHIP WEIGHT	0901-24 / 25.3 lbs. • 0901-28 / 25.3 lbs.	0902-24 / 29.8 lbs. • 0902-28 / 24.5 lbs.

Additional accessories included: 1-Wood Cutting and 1-Metal Cutting Sawzall® Blades

Additional accessories included: 6-1/2" 24-Tooth Blade 48-40-4108, Rip Fence Guide 49-22-1001 and Allen Wrench 49-96-0080.



CATALOG NO. **2 TOOL COMBO KIT** **0903-28**

DESCRIPTION	Sawzall—The Hatchet® Recip Saw with 1/2" Lok-Tor® Hammer-Drill Combo Kit and Heavy-Duty Contractor Bag
HAMMER-DRILL	0624-20
SAWZALL® RECIP SAW	6514-20
CIRCULAR SAW	—
BATTERY	48-11-2230 (Two 2.4 Amp-Hr.)
CHARGER	48-59-0255
CONTRACTOR BAG	48-55-3500
SHIP WEIGHT	19.5 lbs.

Additional accessories included: 1-Wood Cutting and 1-Metal Cutting Sawzall® Blades



HEAVY-DUTY Lok-Tor® SERIES COMBO KITS



NEW
0934-29



0923-29

CATALOG NO.

DESCRIPTION	0934-29	0923-29
CIRCULAR SAW	6320-20	6310-20
HAMMER-DRILL	0624-20	0624-20
SAWZALL® RECIP SAW	6514-20	6514-20
WORK LIGHT	49-24-0165	49-24-0165
BATTERY	48-11-2230 (Two 2.4 Amp-Hr.)	48-11-2230 (Two 2.4 Amp-Hr.)
CHARGER	48-59-0255	48-59-0255
CONTRACTOR BAG	48-55-3530	48-55-3530
SHIP. WEIGHT	32.1 lbs.	33.5 lbs.

Additional accessories included: 1-Wood Cutting and 1-Metal Cutting Sawzall® Blades, 6-1/2" Blade 48-40-4015, Allen Wrench 49-96-0080 and Safety Glasses.

Additional accessories included: 1-Wood Cutting and 1-Metal Cutting Sawzall® Blades, 6-1/2" 24-Tooth Blade 48-40-4108, Rip Fence Guide 49-22-1001 and Allen Wrench 49-96-0080.



0912-29



0923-25

CATALOG NO.

DESCRIPTION	0912-29	0923-25
CIRCULAR SAW	6310-20	6310-20
HAMMER-DRILL	0624-20	0624-20
SAWZALL® RECIP SAW	6515-20	6514-20
WORK LIGHT	49-24-0165	49-24-0165
BATTERY	48-11-2230 (Two 2.4 Amp-Hr.)	48-11-2230 (Two 2.4 Amp-Hr.)
CHARGER	48-59-0255	48-59-0255
CONTRACTOR BAG	48-55-3530	48-55-3530
SHIP. WEIGHT	32.1 lbs.	57 lbs.

Additional accessories included: 1-Wood Cutting and 1-Metal Cutting Sawzall® Blades, 6-1/2" 24-Tooth Blade 48-40-4108, Rip Fence Guide 49-22-1001 and Allen Wrench 49-96-0080.

Additional accessories included: 1-Wood Cutting and 1-Metal Cutting Sawzall® Blades, 6-1/2" 24-Tooth Blade 48-40-4108, Rip Fence Guide 49-22-1001 and Allen Wrench 49-96-0080.



HEAVY-DUTY COMBO KIT ELEMENTS

See page numbers next to product descriptions for more details on individual tools.



CATALOG NO.	6515-20*	6514-20*	6310-20*	6320-20*
DESCRIPTION	SAWZALL® RECIP SAW (P. 17)	SAWZALL- THE HATCHET® RECIP SAW (P. 16)	6-1/2" CIRCULAR SAW (P. 18)	6-1/2" METAL CUTTING SAW (P. 18)
VOLTS DC	18	18	18	18
LENGTH OF STROKE	1"	3/4"	—	—
STROKES PER MINUTE	0-2700	0-2700	—	—
NO LOAD RPM	—	—	3200	3200
ARBOR SIZE	—	—	5/8"	5/8"
DEPTH OF CUT AT 90°	—	—	2-1/8"	2-1/8"
DEPTH OF CUT AT 45°	—	—	1-9/16"	—
DEPTH OF CUT AT 50°	—	—	1-13/32"	—
OVERALL LENGTH	18-1/4"	20-1/4" (Straight) – 13" (Pivoted)	12-3/4"	11.2"
WEIGHT	6.5 lbs.	5.6 lbs.	6.6 lbs.	6.43 lbs.
SHIP WEIGHT	7.1 lbs.	6.0 lbs.	8.1 lbs.	8.46 lbs.



* Tool only, less battery, charger and case.

CATALOG NO.	0624-20*	49-24-0200
DESCRIPTION	HAMMER-DRILL (P. 15)	JOB SITE RADIO (P. 22)
VOLTS	18 DC	120 AC / 12, 14.4, or 18V DC
NO LOAD BPM	0-25,500	—
SPEED RPM	0-1700 High / 0-500 Low	—
MAX TORQUE (In.-Lbs.)	495	—
LENGTH	10.9"	19-1/2"
WEIGHT	4.2 lbs.	16.5
SHIP WEIGHT	4.8 lbs.	21.0



NEW

CATALOG NO.	48-11-2230	48-59-0255	49-24-0165
DESCRIPTION	2.4 AMP-HR. BATTERY (P. 30)	UNIVERSAL CHARGER (P. 31)	WORK LIGHT Spare bulb included



CATALOG NO.	48-55-3000	48-55-1300	48-55-3500	48-55-3510	48-55-3530
DESCRIPTION	IMPACT RESISTANT CARRYING CASE (P. 32)	IMPACT RESISTANT CARRYING CASE (P. 32)	HEAVY-DUTY CONTRACTOR BAG (P. 32)	HEAVY-DUTY CONTRACTOR BAG (P. 32)	HEAVY-DUTY CONTRACTOR BAG (P. 32)
INCLUDED WITH COMBO KIT NO.	0901-24	0902-24	0901-28 0903-28	0902-28	0912-29 0923-25 0923-29 0934-29



HEAVY-DUTY Lok-Tor® SERIES 1/2" DRIVER/DRILLS AND HAMMER-DRILLS

Lok-Tor® SERIES

0622-24* (KIT)

- T-HANDLE DESIGN DRIVER/DRILL PROVIDES OPTIMUM BALANCE AND COMFORT
- 1/2" ALL METAL RATCHETING KEYLESS CHUCK



**495
IN.-LBS.
TORQUE!**

**NEW!
ALL-METAL
RATCHETING
CHUCK WITH
CARBIDE JAWS**

- **Powerful 18 Volt Motor**
Develops 495 In.-lbs. maximum torque.
- **1/2" All Metal Single Sleeve Grip-Lok™ Ratcheting Chuck With Carbide Jaws For 25% More Grip-Strength**
- **18 Volt, 2.4 Amp-Hr Battery**
Delivers more run time and is compatible with all other MILWAUKEE 18 volt products.
- **Reversible Battery Pack**
Fits into tight work spaces and adjusts balance.
- **One-Hour Universal Charger**
- **Two Speed**
Ranges: 0-500 And 0-1700 RPM
- **World's First Dampened Spindle-Lock**
No "clunk" when the trigger is released.
- **Side Handle Rotates 360° And Provides Ultimate User Control During High Torque Applications**
- **Ergonomic Soft Finger Grip For Enhanced Comfort**
- **20-Position Torque Adjustment**



Lok-Tor® SERIES

0624-24* (KIT)

- T-HANDLE DESIGN HAMMER-DRILL PROVIDES OPTIMUM BALANCE AND COMFORT
- 1/2" ALL METAL RATCHETING KEYLESS CHUCK



**495
IN.-LBS.
TORQUE!**

**0-25,500
BPM!**

* **TOOL AVAILABLE WITHOUT BATTERY, CHARGER OR CASE. SEE "-20" MODELS IN SPECIFICATIONS CHART BELOW**

SPECIFICATIONS

CATALOG NUMBER	VOLTS DC	DRILL SPEED RPM		NO LOAD BPM	DRILL MAX. TO. IN.-LBS.	BATTERY AMP-HRS	LENGTH (INCHES)	NET WGT. LBS.	SHIP. WGT. LBS.
		HIGH	LOW						
• 0622-20	18	0-1700	0-500	—	495	—	10-1/2	4.0	4.6
0622-24 KIT	18	0-1700	0-500	—	495	2.4	10-1/2	4.0	15.1
• 0624-20	18	0-1700	0-500	25,500	495	—	10-7/8	4.2	4.8
0624-24 KIT	18	0-1700	0-500	25,500	495	2.4	10-7/8	4.2	15.3

STANDARD EQUIPMENT: FOR 0622-20 - 1/2" T-Handle Lok-Tor Driver/Drill and Side Handle. **FOR 0622-24** - 1/2" T-Handle Lok-Tor Driver/Drill, Side Handle, Two 2.4 Amp-Hr. Battery Packs, One-Hour Universal Charger and Impact Resistant Carrying Case. **FOR 0624-20** - 1/2" T-Handle Lok-Tor Hammer-Drill and Side Handle. **FOR 0624-24** - 1/2" T-Handle Lok-Tor Hammer-Drill, Side Handle, Two 2.4 Amp-Hr. Battery Packs, One-Hour Universal Charger and Impact Resistant Carrying Case.

- Tool only, less battery, charger and case.



HEAVY-DUTY SAWZALL-THE HATCHET® KITS

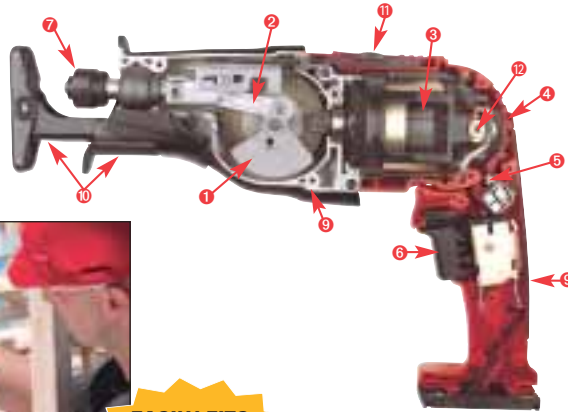
SAWZALL THE HATCHET® KIT



6514-21*



6-POSITION ROTATABLE HANDLE



EASILY FITS BETWEEN 16" CENTER STUDS

6514-29 (KIT)

• SPORTSMAN'S COMBO KIT WITH CAMO BUCK BAG AND WORK LIGHT 49-24-0165



2 TOOL COMBO KIT



- 6-Position Pivoting Handle*** Allows User To Get Between Joists, Studs And Other Confined Spaces
- Orbital Action Selector*** For Aggressive Wood Cutting
- 0-2,700 SPM
- 3/4" Blade Stroke
- 18 Volt, 2.4 Amp-Hr Battery Delivers the most run time and is compatible with all other MILWAUKEE 18 volt products.
- One-Hour Universal Battery Charger
- Reversible Battery Allows easier plunge cutting.
- Counter Balanced Mechanism ① Reduces vibration.
- Durable Slider-Crank Reciprocating Mechanism ② Withstands abrupt stalls and abusive job-site applications. Designed for compact size and efficiency for cordless applications to maximize run-time.
- Heavy-Duty Milwaukee Built Motor ③
- Double-Walled Rotating-Handle Detents ④ Provide extremely strong pivoting mechanism.
- Metal Cam Lock ⑤ Provides a firm hold in each pivoting position, particularly in high vibration.
- 25 Amp Marquardt Variable Speed Switch ⑥ For greater user control and long life.
- Heavy-Duty, Steel, Keyless Quik-Lok™ Blade Clamp ** ⑦ For fast easy blade changes. No hex key to lose or screws to strip. Accepts standard 1/2" shank Sawzall® blades.
- Soft-Grip Handle Pad For Comfort And Secure Gripping ⑧
- All-Metal Gearcase ⑨
- Rugged, Keyless Adjustable Shoe** ⑩
- Orbit Adjustment Lever ⑪
- Replaceable Brushes ⑫

**Patented

***Patent Pending

* TOOL AVAILABLE WITHOUT BATTERY, CHARGER OR CASE. SEE "-20" MODELS IN SPECIFICATIONS CHART BELOW

SPECIFICATIONS

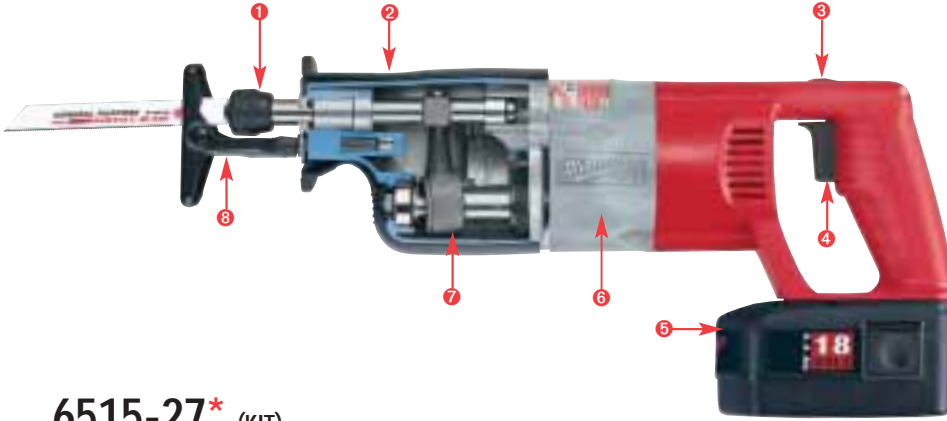
CATALOG NUMBER	VOLTS DC	STROKES PER MINUTE	STROKE LENGTH	BATTERY CAPACITY AMP-HRS	LENGTH-STRAIGHT (IN.)	LENGTH-PIVOTED (IN.)	NET WGT. LBS.	SHIP. WGT. LBS.
6514-20	18	0-2700	3/4"	-	20-1/4	13	5.6	6.0
6514-21	18	0-2700	3/4"	2.4	20-1/4	13	8.3	17.3
6514-29	18	0-2700	3/4"	2.4	20-1/4	13	8.3	20.6

STANDARD EQUIPMENT: For 6514-20 • -Tool Only. For 6514-21- Includes Tool, One 2.4 Amp-Hour Battery 48-11-2230, Universal Charger 48-59-0255, 2-Pack of Sawzall Blades 48-02-5055 and Impact Resistant Carrying Case 48-55-3020. For 6514-29- Includes Tool, Two 2.4 Amp-Hour Battery 48-11-2230, Universal Charger 48-59-0255, Work Light 49-24-0165, 3-Pack of Sawzall General Purpose Stainless Steel Blades 48-00-1350. Heavy-Duty Sportsman's Bag With Mossy Oak® Camo Pattern 48-55-3525.

• Tool only, less battery, charger and case.



HEAVY-DUTY SAWZALL® KITS



6515-27* (KIT)



- Cuts Up To 90 2x4's On A Single Charge
- 18 Volt, 2.4 Amp-Hr Battery Delivers more run time and is compatible with all other MILWAUKEE 18 volt products. ⑤
- One-Hour Universal Charger
- Powerful 18 Volt Rare Earth Motor Easily Handles All Sawzall Applications ⑥
- Keyless Quik-Lok™ Blade Clamp** For fast, easy blade change. ①
- Fully Serviceable Replaceable Brushes
- Accepts Standard 1/2" Shank Sawzall Blades
- Trigger Speed Control, Lock-Off Switch ④
- Reverse The Blade For Cutting Upside Down In Confined Areas
- Pivot Shoe For Maximum Support Against Work Surface ③
- Soft Gripping Area ②
- Lock-off Switch ③
- Steel Wobble Plate Mechanism ⑦

**Patented



6515-99 (KIT)

- FIRE AND RESCUE KIT
- INCLUDES 10 AX™ DEMOLITION BLADES AND 10 TORCH® DEMOLITION BLADES



* TOOL AVAILABLE WITHOUT BATTERY, CHARGER OR CASE. SEE "-20" MODELS IN SPECIFICATIONS CHART BELOW

SPECIFICATIONS

CATALOG NUMBER	VOLTS DC	NO. OF BATTERIES INCLUDED	BATTERY CAPACITY AMP-HRS	LENGTH OF STROKE	STROKES PER MINUTE	OVERALL LENGTH (INCHES)	NET WGT. LBS.	SHIP. WGT LBS.
• 6515-20	18	0	—	1"	0-2700	18-1/4	6.5	7.1
6515-27	18	1	2.4	1"	0-2700	18-1/4	8.3	17.0
6515-99	18	2	2.4	1"	0-2700	18-1/4	8.3	22.2

STANDARD EQUIPMENT: FOR 6515-20 – Tool Only. FOR 6515-27– Includes Sawzall, Universal One-Hour Charger, One 18 Volt 2.4 Amp-Hr Battery, Super Sawzall Two-Blade Pack and Impact Resistant Carrying Case. FOR 6515-99 – Includes Sawzall with Heavy-Duty Steel Quik-Lok Blade Clamp, One-Hour Universal Charger, Two 48-11-2230 2.4 Amp-Hr 18 Volt Batteries, Ax Blade Demolition Pack 48-00-5021 & 48-00-5026, Torch Blade Demolition Pack 48-00-5782 & 48-00-5787 and Impact Resistant Carrying Case 48-55-3050.

• Tool only, less battery, charger and case.



HEAVY-DUTY 6-1/2" CIRCULAR SAWS

6310-22*

• FOR WOOD CUTTING APPLICATIONS



EASY-TO-ADJUST
BEVEL AND RIP
FENCE KNOBS

RIGID AIRCRAFT
ALUMINUM SHOE



6320-22*

• FOR METAL CUTTING APPLICATIONS



DURABLE
NICKEL
PLATED
STEEL SHOE
To protect against
scratching

PREMIUM BLADE FOR
SMOOTH, BURR-FREE
CUTTING.

CLEAR GUARD WINDOW FOR
EXCELLENT LINE OF SIGHT



ALL 18 VOLT CIRCULAR SAW FEATURES

- **One-Hour Universal Charger**
Charger is compatible with slide-on style batteries.
- **18 Volt, 2.4 Amp-Hr Battery**
Delivers more run time. Compatible with all other MILWAUKEE 18 volt products.
- **Electric Brake For Quick Blade Stops**
- **Powerful Milwaukee Built Motor With Replaceable brushes**
- **3200 RPM For Fast Cutting**
- **Ergonomic Cushion Grip D-Handle**
Keeps hands in comfortable position at all cutting depths.
- **All-Metal Upper And Lower Guards**
- **Superior Balance**
- **Large, Easy Access, Lower Blade Guard Lever**
- **Left Blade Provides The Best Line Of Sight**

6310-22 CIRCULAR SAW FEATURES

- **Cuts More 2 X 4's Per Battery Charge Than Any Other Cordless Circular Saw**
- **Easily Cuts All 2X Material at 45° Bevel Angle**
- **Large 50° Bevel Capacity**

6320-22 METAL CUTTING CIRCULAR SAW FEATURES

- **Rugged Construction For Long, Trouble-Free Operation**
- **Spindle Lock And On-Board Hex Wrench For Easy Blade Change**
- **Common Materials Cut:**
Conduit, Copper Pipe, Metal Studs, Unistrut And 'C' Channel, Plunge Cut And Fabricating Metal Duct Work, Angle Iron, Angle Steel, Black Pipe, Galvanized Pipe, Aluminum



* TOOL AVAILABLE WITHOUT BATTERY, CHARGER OR CASE. SEE "-20" MODELS IN SPECIFICATIONS CHART BELOW

SPECIFICATIONS

CATALOG NUMBER	VOLTS DC	NO. OF BATTERIES INCLUDED	BATTERY CAPACITY AMP-HRS	NO LOAD RPM	ARBOR SIZE	DEPTH OF CUT AT 90°	DEPTH OF CUT AT 45°	DEPTH OF CUT AT 50°	LENGTH W/O BATTERY	LENGTH W/ BATTERY	NET WGT. LBS. W/O BATT.	SHIP. WGT LBS.
• 6310-20	18	0	—	3200	5/8"	2-1/8"	1-9/16"	1-13/32"	12-3/4"	15-1/2"	6.6	8.1
6310-22	18	2	2.4	3200	5/8"	2-1/8"	1-9/16"	1-13/32"	12-3/4"	15-1/2"	6.6	26.9
• 6320-20	18	0	—	3200	5/8"	2-1/8"	—	—	11-1/4"	14"	6.4	8.5
6320-22	18	2	2.4	3200	5/8"	2-1/8"	—	—	11-1/4"	14"	6.4	20.5

STANDARD EQUIPMENT: FOR 6310-20 • Includes Circular Saw and 6-1/2" 24-Tooth Blade 48-40-4108 and Allen Wrench 49-96-0080. **FOR 6310-22** – Includes Circular Saw, Universal One-Hour Charger 48-59-0255, Two 18 Volt 2.4 Amp-Hr. Batteries, 6-1/2" 24-Tooth Blade 48-40-4108, Rip Fence Guide 49-22-1001, Allen Wrench 49-96-0080 and Impact Resistant Carrying Case. **FOR 6320-20:** Metal Saw 6320-20, Blade 48-40-4015 and Safety Glasses. **FOR 6320-22:** Metal Saw 6320-20, Blade 48-40-4015, Two Battery Packs 48-11-2230, Charger 48-59-0255, Safety Glasses and Contractor Bag 48-55-3510.

• Tool only, less battery, charger and case.



HEAVY-DUTY IMPACT WRENCHES

9078-22* (KIT)

- 3/4" SQUARE DRIVE WITH FRICTION RING AND THROUGH HOLE SOCKET RETENTION



**325
FT.-LBS.
MAX TORQUE**
(3900 IN.-LBS.)

9079-22* (KIT)

- 1/2" SQUARE DRIVE

9079-23 (KIT)

- 9079-22 VEHICLE CHARGER KIT



**240
FT.-LBS.
MAX TORQUE**
(2880 IN.-LBS.)

9099-23* (KIT)

- 7/16" HEX QUICK-CHANGE
- VEHICLE CHARGER KIT
- CONTRACTOR BAG INCLUDED



**270
FT.-LBS.
MAX TORQUE**
(3240 IN.-LBS.)

* TOOL AVAILABLE WITHOUT BATTERY, CHARGER OR CASE. SEE "-20" MODEL IN SPECIFICATIONS CHART BELOW

THE MOST TORQUE OF ANY CORDLESS IMPACT WRENCH!

- Easily Removes And Tightens Lug Nuts On Vehicle Tires
- Handles Tough Equipment Applications
- 2.4 Amp-Hr NiCad Batteries Deliver Long Run Time
- Reversible Battery Pack Fits Into Cramped Work Spaces And Adjusts Balance
- One-Hour Universal Charger (Models 9079-23 and 9099-23 includes vehicle charger)
- Variable Speed Switch For Maximum User Control, 0-1400 RPM
- Reversing Lever With Trigger Lock-Off Prevents accidental activation when moving tool with a bit installed.
- Soft-Grip Handle Pad For operator comfort and secure grip.
- Mid-Handle Design For Comfort And Balance



EXCLUSIVE 9078-22 FEATURES:

- 325 Ft.-Lbs. Maximum Torque
- 3/4" Square Drive With Friction Ring And Through Hole Socket Retention

9079-22 AND 9079-23 FEATURES

- 240 Ft.-Lbs Maximum Torque
- 1/2" Square Drive Flat End Pin Detent Socket Retainer Holds Sockets And Adapters More Securely
- Quick Change Round Head Detent Pin Conversion Kit 49-17-0410 Is Included

9099-23 FEATURES

- 270 Ft.-Lbs. Maximum Torque
- 7/16" Hex Quick-Change Dual Ball Bit Ball Holder
- Hanger Bracket With Solid Steel Ring For hanging on belts, climbing pegs and/or for lifting with rope and clasp.

ACCESSORIES

5" LENGTH 1/2" SQUARE DRIVE EXTENSION

- 48-95-5000 Adapts to 1/2" Square Drive. Provides 5" additional length where required for use with sockets.

ROUND END DETENT PIN RETAINER KIT

- 49-17-0410 Can be substituted for the flat end pin detent style retainer for easier socket changes.

1/2" SQUARE DRIVE HEX SOCKETS



- 49-66-3080 1/2" 49-66-3110 11/16"
- 49-66-3090 9/16" 49-66-3120 3/4"
- 49-66-3100 5/8" 49-66-3130 13/16"

1/2" SQUARE DRIVE UNIVERSAL JOINT

- 48-03-0500 Fits 1/2" Square Drive and used with Hex Sockets to reach difficult places at various angles. Also allows clearance around obstructions.

1/2" SQUARE DRIVE TO 7/16" HEX ADAPTER

- 48-66-0061 Use with 7/16" hex shank auger bits, selffeed bits or other 7/16" hex shank accessories which have ball-retainer grooves.

SPECIFICATIONS

CATALOG NUMBER	VOLTS	MAX. TORQUE (FT.-LBS.)	MAX. TORQUE (IN.-LBS.)	RPM	IMPACTS PER MINUTE	LENGTH (INCHES)	NET WEIGHT (LBS.)	SHIP WEIGHT (LBS.)
• 9078-20	18	325	3900	0-1400	0-2200	11-3/4	6.8	7.5
9078-22	18	325	3900	0-1400	0-2200	11-3/4	9.2	18.0
• 9079-20	18	240	2880	0-1400	0-2200	11-3/4	6.6	7.3
9079-22	18	240	2880	0-1400	0-2200	11-3/4	9.0	17.8
9079-23	18	240	2880	0-1400	0-2200	11-3/4	9.0	17.8
• 9099-20	18	270	3240	0-1400	0-2200	12-1/4	7.1	8.0
9099-23	18	270	3240	0-1400	0-2200	12-1/4	7.1	18.5

STANDARD EQUIPMENT: FOR 9078-20 • - Tool Only. FOR 9078-22 - Includes Tool, Two 2.4 A-h Batteries, Universal Charger and Impact Resistant Carrying Case and Two Socket Retaining Rings. FOR 9079-20 • - Tool Only. FOR 9079-22 - Includes Tool, Two 2.4 A-h Batteries, Universal Charger and Impact Resistant Carrying Case. FOR 9079-23 - Includes Tool, Two 2.4 A-h Batteries, Vehicle Charger 48-59-0186, Round End Detent Pin, and Impact Resistant Carrying Case. FOR 9099-20 • - Tool Only. FOR 9099-23 - Includes Tool, Two 2.4 A-h Batteries, Vehicle Charger 48-59-0186 and Heavy Duty Contractor Bag.

- Tool only, less battery, charger and case.



**18
VOLT
SYSTEM**

HEAVY-DUTY 1/2" D-HANDLE DRILL & R.A.D.

1109-24* (KIT)



**ALL-METAL
GRIP-LOK
CHUCK!**

3109-24* (KIT)



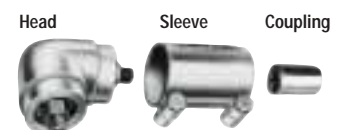
**ALL-METAL
GRIP-LOK
CHUCK!**

- Drills Up To 80 Holes with a 1" Auger Bit On A Single Charge
- 18 Volt, 2.4 Amp-Hr Battery
Delivers more run time and is compatible with all other MILWAUKEE 18 volt products.
- One-Hour Universal Charger Compatible with ALL Power-Plus batteries.
- Powerful 18 Volt Rare Earth Motor
Easily handles all drilling and boring applications.
- Trigger Speed Control
- Double Reduction Gear Train
- 1/2" All-Metal Grip-Lok™ Keyless Chuck
For extreme durability.



3109-24 R.A.D. FEATURES

- **Head And Handle Swivel 360°**
Can be locked tight in any position to fit in close quarters between wall studs or floor joists.
- **Increased Torque For Large Hole Drilling**
RAD Assembly reduces tool speed, increases torque to drill up to 2-9/16" holes in 2 x 4 with Selffeed Bit.
- **0-335 And 0-750 RPM With RAD Assembly**



* TOOL AVAILABLE WITHOUT BATTERY, CHARGER OR CASE. SEE "-20" MODEL IN SPECIFICATIONS CHART BELOW

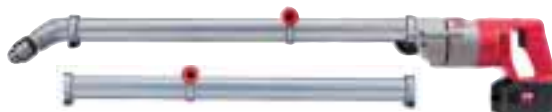
SPECIFICATIONS

CATALOG NUMBER	NO. OF BATTERIES INCLUDED	MAX TORQUE (IN-LBS)	VOLTS DC	BATTERY CAPACITY AMP-HRS	DRILL ONLY RPM	RPM W/RAD LOW SIDE	RPM W/RAD HIGH SIDE	NET WGT. LBS.	SHIP. WGT. LBS.
• 1109-20 D-HANDLE	0	400	18	—	0-500	—	—	5.4	7.4
1109-24 D-HANDLE KIT	1	400	18	2.4	0-500	—	—	7.8	18.7
• 3109-20 R.A.D.	0	550	18	2.4	—	0-335	0-750	10.8	19.7
3109-24 R.A.D. KIT	1	550	18	2.4	—	0-335	0-750	10.8	12.8

STANDARD EQUIPMENT: FOR 1109-20 • D-Handle Drill and Side Handle 49-15-0151. FOR 1109-24– D-Handle Drill, Side Handle 49-15-0151, Universal One-Hour Charger, 18 Volt 2.4 Amp-Hr Battery Pack and Impact Resistant Carrying Case. FOR 3109-24– D-Handle Drill, RAD Assembly 48-06-2871, Side Handle 49-15-0151, Universal One-Hour Charger, 18 Volt 2.4 Amp-Hr Battery Pack and Impact Resistant Carrying Case.

- Tool only, less battery, charger and case.

ACCESSORIES



33° ANGLE DRIVE KIT

48-06-2860 Stretches drilling reach up to 30 inches. Permits easy drilling of up to 2-9/16" dia. holes. Kit consists of an extension tube, side handle, drive shaft with hex sockets on both ends, two clamping collars and a 33° angle drive unit. Use 33° angle drive with the 30" extension only. 33° angle units operate at the same speed as the drill powering them.

30" EXTENSION

48-95-0400 30" extension available separately for use with MILWAUKEE RAD unit No. 48-06-2871. Unit comes complete with 30" extension tube, drive shaft with hex socket on both ends, two clamping collars and side handle. Purchase RAD unit separately.

R.A.D. ASSEMBLY

48-06-2871 Standard equipment with 3109-24. Allow 5-1/2" for right angle drill head and chuck. Used extensively for drilling between joists, studding, in tight corners or in close quarters on machinery and equipment. Provides two additional drilling speeds. Chuck transferred from drill to low spindle of right angle unit reduces drills normal speed by 1/3 and increases drilling torque by 50%. Chuck transferred to opposite spindle of right angle unit increases speed by 50%.



HEAVY-DUTY 3/4" SDS ROTARY HAMMER



5361-24* (KIT)



- Drills Up To 54 Holes 1/4" x 1-1/2" Deep In Concrete On A Single Charge
- 18 Volt, 2.4 Amp-Hr Battery
Delivers more time and is compatible with all other MILWAUKEE 18 volt products.
- One-Hour Universal Charger
Compatible with ALL Power-Plus batteries.
- 1-3/4" Core Bit Capacity
- Powerful 18 Volt Rare Earth Motor Easily Handles All Drilling Applications
- Compatible With SDS, SDS-Plus And TE-C Style Bits
- Trigger Speed Control
- Two Mode Operation: Rotation With Hammer or Rotation Only
- Internal Clutch Protects Gearbox
- Lock-Off Switch
- Fully Adjustable Side Handle Rotates 360°
- Powerful Electro-Pneumatic Hammer Action
- Ball And Roller Bearings
- Depth Gauge For Drilling Holes To Preset Depth



* TOOL AVAILABLE WITHOUT BATTERY, CHARGER OR CASE. SEE "-20" MODELS IN SPECIFICATIONS CHART BELOW

SPECIFICATIONS

CATALOG NUMBER	VOLTS DC ONLY	NO. OF BATTERIES INCLUDED	BATTERY CAPACITY AMP-HRS	NO LOAD BLOWS PER MIN.	NO LOAD RPM	SOLID BIT CAPACITY	CORE BIT CAPACITY	LENGTH W/ BATTERY	NET WGT. LBS.	SHIP WGT. LBS.
5361-20	18	0	—	0-3900	0-850	3/4"	1-3/4"	17-1/2"	7.0	7.6
5361-24 KIT	18	1	2.4	0-3900	0-850	3/4"	1-3/4"	17-1/2"	9.5	17.7

STANDARD EQUIPMENT: FOR 5361-20 • 18 Volt Rotary Hammer, Side Handle and Depth Gauge. FOR 5361-24 – 18 Volt Rotary Hammer, 18 Volt 2.4 Amp-Hr Power-Plus Battery, Universal Charger, Side Handle, Depth Gauge and Impact Resistant Carrying Case.

• Tool only, less battery, charger and case.

ACCESSORIES



5-PIECE 44 MAGNUM™ CARBIDE-TIPPED BIT SET

48-20-7490 Set includes one of each bit:
 48-20-7410 (3/16"),
 48-20-7431 (1/4"),
 48-20-7441 (5/16"),
 48-20-7451 (3/8"),
 48-20-7471 (1/2").

SDS/CHUCK ADAPTER KIT*

48-66-1370 Kit includes chuck adapter No. 48-03-3005, 1/2" chuck No. 48-66-1360, chuck screw No. 06-75-3150 and chuck key No. 48-66-3280.



* Parts in KIT may be ordered separately. Use part numbers listed above.



HEAVY-DUTY JOB SITE RADIO

18 VOLT SYSTEM **14.4** VOLT **12** VOLT



**WORLD'S
TOUGHEST
RADIO!**



49-24-0200



- Detachable Storage Bag on Back for Cell Phone, CD, MP3 Player Etc. Convenient hook & loop flap openings for routing of cell phone/CD/MP3 player cords.

- CLEAR, POWERFUL SOUND SYSTEM**
Jockford Fosgate
WITH 3-LEVEL PUNCH EQ™
BASS BOOST
- Rugged Construction – Withstands 8' Foot Drop to Concrete
 - 7 Channel Weather Band Receives N.O.A.A. Weather Broadcast (Where Available)
 - Digital Tuner w/ 20 AM/FM Presets
 - Steel Grill Protected 5-1/4" Weather Resistant Speakers With Separate Tweeters
 - Operates On Standard AC Or Milwaukee 12, 14.4 Or 18 Volt Slide-On Style Battery Packs
 - 12 Volt Power Port Will Charge Cell Phone/Other Audio Devices
 - Auxiliary Stereo Input Jack For CD, MP3 or Cassette Player
 - Detachable Storage Bag on Back for Cell Phone, CD, MP3 Player Etc. Convenient hook & loop flap openings for routing of cell phone/CD/MP3 player cords.
 - Directional, Flexible Antenna
 - LCD Digital Clock Powered By 2-AA Batteries (Included)
 - 10' Cord With Pass-Through Plug And Built In Cord Wrap
 - Bumpers absorb impact shock caused from accidental drops or misuse.
 - Blow Molded Impact Resistant Base
 - Steel Handle w/ Comfortable Soft Grip
 - Easy To Adjust Knobs and Buttons

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC	VOLTS DC	NO. OF BATTERIES INCLUDED	HEIGHT	WIDTH	DEPTH	NET WGT. LBS.	SHIP WGT. LBS.
49-24-0200	120	12, 14.4 OR 18	0	15-3/4"	19-1/2"	10"	16.5	21





**14.4
VOLT**

HEAVY-DUTY IMPACT WRENCHES

9081-22* (KIT)

• 1/4" HEX DRIVE



**GREAT
FOR
FASTENING**

9082-22* (KIT)

• 3/8" SQUARE DRIVE
HOG RING STYLE
SOCKET RETENTION
• USE WITH 3/8" SOCKETS
OR DRIVE SCREWS WITH
1/4" HEX ADAPTER
(INCLUDED)



**MOST
VERSATILE
TOOL!**

9083-22* (KIT)

• 1/2" SQUARE DRIVE
HOG RING STYLE



**1404
IN.-LBS.
MAX TORQUE**

POWER, PERFORMANCE AND DURABILITY IN A COMPACT SIZE!

- Powerful Motor Up To 1404 In-Lbs Maximum Torque (Model No. 9083-22).
- Produces Up To 3500 Impacts Per Minute
- 2.4 Amp-Hr Ni-Cad Batteries Deliver Maximum Run Time
- Reversible Battery Pack Fits Into Cramped Work Spaces And Adjusts Balance
- Variable Speed Switch For Maximum User Control, 0-2600 RPM
- Large, Easy To Operate Forward And Reverse Shuttle
- Heavy-Duty Die-Cast, Aluminum Gear Housing For Extra Durability
- Comfortable Soft-Grip Handle Pad
- One-Hour Universal Charger



ACCESSORIES



1/2" SQUARE DRIVE HEX IMPACT SOCKETS

49-66-3080	1/2"	49-66-3110	11/16"
49-66-3090	9/16"	49-66-3120	3/4"
49-66-3100	5/8"	49-66-3130	13/16"



3/8" SQUARE DRIVE HEX IMPACT SOCKETS

49-66-3201	5/16"	49-66-3250	10 MM
49-66-3205	3/8"	49-66-3255	12 MM
49-66-3210	7/16"	49-66-3260	13 MM
49-66-3215	1/2"	49-66-3265	14 MM
49-66-3220	9/16"	49-66-3270	15 MM

49-66-3225	3/8" 5-PC inch set
49-66-3275	3/8" 5-PC MM set

3/8" SQUARE DRIVE TO 1/4" HEX QUICK CHANGE ADAPTER

48-03-3630



SPECIFICATIONS

CATALOG NUMBER	VOLTS	DRIVE SIZE	NO. OF BATTERIES INCLUDED	TORQUE (IN.-LBS.)	RPM	IMPACTS PER MINUTE	LENGTH (INCHES)	NET WEIGHT (LBS.)	SHIP WEIGHT (LBS.)
• 9081-20	14.4	1/4" HEX	0	740	0- 2600	0- 3300	7-1/2	2.5	3.3
9081-22	14.4	1/4" HEX	2	740	0- 2600	0- 3300	7-1/2	4.4	12.5
• 9082-20	14.4	3/8" SQUARE	0	1056	0- 2600	0- 3500	7-5/8	2.4	3.3
9082-22	14.4	3/8" SQUARE	2	1056	0- 2600	0- 3500	7-5/8	4.3	12.4
• 9083-20	14.4	1/2" SQUARE	0	1404	0- 2600	0- 3500	7-11/16	2.5	3.3
9083-22	14.4	1/2" SQUARE	2	1404	0- 2600	0- 3500	7-11/16	4.4	12.5

STANDARD EQUIPMENT: FOR 9081-20: Tool only. FOR 9081-22: Tool, Two 48-11-1024 14.4 Volt Battery Packs, 48-59-0255 Universal Charger and 48-55-3070 Impact Resistant Case. FOR 9082-20: Tool only. FOR 9082-22: Tool, 1/4" Hex Adapter 48-03-3630, Two 48-11-1024 14.4 Volt Battery Packs, 48-59-0255 Universal Charger and 48-55-3070 Impact Resistant Case. FOR 9083-20: Tool only. FOR 9083-22: Tool, Two 48-11-1024 14.4 Volt Battery Packs, 48-59-0255 Universal Charger and 48-55-3070 Impact Resistant Case.

• Tool only, less battery, charger and case.



**14.4
VOLT**

**HEAVY-DUTY
Lok-Tor® SERIES
1/2" HAMMER-DRILLS
AND DRIVER/DRILLS**

Lok-Tor® SERIES

0614-24* (KIT)

- HAMMER-DRILL
- T-HANDLE DESIGN PROVIDES OPTIMUM BALANCE AND COMFORT



**0-25,500
BPM!**

**NEW!
ALL-METAL
RATCHETING
CHUCK WITH
CARBIDE JAWS**

**460
IN.-LBS.
MAX TORQUE!**

Lok-Tor® SERIES

0616-24* (KIT)

- DRIVER/DRILL
- T-HANDLE DESIGN PROVIDES OPTIMUM BALANCE AND COMFORT



- Reversible Battery Pack Fits into tight work spaces and adjusts balance.
- One-Hour Universal Charger 48-59-0255
- Two Speed Ranges: 0-500 And 0-1700 RPM
- Powerful 14.4 Volt Motor Develops 460 In.-lbs. maximum torque.
- 1/2" All Metal Single Sleeve Grip-Lok™ Ratcheting Chuck With Carbide Jaws For 25% More Grip-Strength
- 14.4 Volt, 2.4 Amp-Hr Battery Delivers more run time and is compatible with all other MILWAUKEE 14.4 volt products.
- World's First Dampened Spindle-Lock No "clunk" when the trigger is released.
- Side Handle Rotates 360° And Provides Ultimate User Control During High Torque Applications
- Ergonomic Soft Finger Grip For Enhanced Comfort
- 20-Position Torque Adjustment



* TOOL AVAILABLE WITHOUT BATTERY, CHARGER OR CASE. SEE "-20" MODELS IN SPECS CHART BELOW

SPECIFICATIONS

CATALOG NUMBER	VOLTS DC	SPEED RPM HIGH	SPEED RPM LOW	NO LOAD BPM	DRILL MAX. TQ. IN.-LBS.	BATTERY CAPACITY A-HRS.	LENGTH INCHES	NET WGT. LBS.	SHIP. WGT. LBS.
• 0614-20	14.4	0-1700	0-500	0-25,500	460	-	10-7/8	3.9	4.5
• 0614-24	14.4	0-1700	0-500	0-25,500	460	2.4	10-7/8	3.9	13.7
• 0616-20	14.4	0-1700	0-500	-	460	-	10-1/2	3.7	4.3
0616-24	14.4	0-1700	0-500	-	460	2.4	10-1/2	3.7	13.5

STANDARD EQUIPMENT For 0614-20 -- Tool only and Side Handle. For 0614-24--Tool, (2) 48-11-1024 14.4 Volt Battery Packs, 48-59-0255 Universal Charger, Side Handle and 48-55-0930 Impact Resistant Case. FOR 0616-20 -- Lok-Tor Driver/Drill, All-Metal Ratcheting Keyless Chuck and Side Handle. FOR 0616-24 -- Lok-Tor Driver/Drill, All-Metal Ratcheting Keyless Chuck, Side Handle Two 2.4 Amp-Hr Battery Packs 48-11-1024, Charger and Impact Resistant Carrying Case.

* Tool only, less battery, charger and case.



**14.4
VOLT**

**HEAVY-DUTY
1/2" DRIVER/DRILLS**

0612-22 (KIT)
 • T-HANDLE DESIGN PROVIDES OPTIMUM BALANCE AND COMFORT
 • 1/2" SINGLE SLEEVE RATCHETING KEYLESS CHUCK



**NEW
COMPACT
SERIES**



CLIP-LOK™ SYSTEM
 Belt clip, tool holder and bit holder, attaches to either side of the tool.

**FEATURING
CLIP-LOK™
SYSTEM**

Conveniently releases with a simple thumb release



- Reversible Battery Pack
Fits into tight work spaces and adjusts balance.
- One-Hour Universal Charger
- Compact Tool Design And Weight Allows For Greater Control And Reduced Fatigue For Enhanced Productivity
- Compact, Lightweight Battery Packs Have A Lower Profile, Making It Ideal For Use In Tight Spaces
- Exclusive Clip-Lok™ System
- 400/1400 RPM For Efficient Hole Drilling And Fastening
- 390 In.-lbs. Torque For Drilling Larger Holes And Using Larger Bits
- Single-Sleeve, Ratcheting Chuck Provides Better Bit-Grip Strength
- Comfortable Soft-Grip Surfaces Maximize Comfort



0612-26 KIT: WORK LIGHT FEATURES

- For Use With Milwaukee 12 Volt and 14.4 Volt Batteries and Chargers
- Faceted Reflector Provides Bright Uniform Beam
- Long Life Xenon Bulb
- Patented Battery Protection Circuit Prolongs Battery Life
- Compatible With The Milwaukee Clip-Lok™ System

NEW

0612-26 (KIT)
 • T-HANDLE DESIGN PROVIDES OPTIMUM BALANCE AND COMFORT
 • 1/2" SINGLE SLEEVE RATCHETING KEYLESS CHUCK
 • WORK LIGHT 49-24-0155



**SEE PAGE 26 FOR
MORE CLIP-LOK
INFORMATION.**

SPECIFICATIONS

CATALOG NUMBER	VOLTS DC	SPEED RPM		DRILL MAX. TQ. IN.-LBS.	BATTERY CAPACITY A-HRS.	LENGTH INCHES	NET WGT. LBS.	SHIP. WGT. LBS.
		HIGH	LOW					
0612-22	14.4	0-1400	0-400	390	1.7	9-1/8	3.2	12.0
0612-26	14.4	0-1400	0-400	390	1.7	9-1/8	3.2	12.8

STANDARD EQUIPMENT: FOR 0612-22: 1/2" Driver/Drill, Two 14.4 Volt Battery Packs 48-11-1014, Clip-Lok™ System 48-67-0150, #2 Phillips Bit, Charger 48-59-0255, and Impact Resistant Carrying Case 48-55-0670. FOR 0612-26: 1/2" Driver/Drill, Two 14.4 Volt Battery Packs 48-11-1014, Clip-Lok™ System 48-67-0150, Work Light 49-24-0155, #2 Phillips Bit, Charger 48-59-0255, and Impact Resistant Carrying Case 48-55-0670.

• Tool only, less battery, charger and case.



18
VOLT
SYSTEM

14.4
VOLT

12
VOLT

HEAVY-DUTY 18, 14.4/12 & VOLT CLIP-LOK™ WORK LIGHTS

NEW

49-24-0165

- ACCEPTS 18 VOLT "SLIDE-ON STYLE" MILWAUKEE BATTERIES

18
VOLT
SYSTEM



- 140° Pivoting Head
- Faceted Reflector Provides Bright Uniform Beam
- Long Life Xenon Bulb
- Patented Battery Protection Circuit Prolongs Battery Life
- Compatible With The Milwaukee Clip-Lok™ System (Not Included)
- 49-24-0165 Uses With Milwaukee 18 Volt Slide-On Style Battery and Chargers
- 49-24-0155 Uses With Milwaukee 12 Volt and 14.4 Volt Slide-On Style Batteries and Chargers
- Spare Bulb Stored Under Lens Cap
- Battery Not Included

NEW

49-24-0155

- ACCEPTS 12 OR 14.4 VOLT "SLIDE-ON STYLE" MILWAUKEE BATTERIES

12 **14.4**
VOLT VOLT

SPECIFICATIONS

CATALOG NUMBER	VOLTS DC	BATTERY STYLE	BRIGHTNESS (LUX)	MAX. RUN TIME (MIN./CHARGE)	LENGTH (IN.)		NET WEIGHT (LBS.)	SHIP WEIGHT (LBS.)
					HEAD UP	HEAD DOWN		
49-24-0165	18	SLIDE-ON	365	180	11-1/8	9	1.03	1.35
49-24-0155	12/14.4	SLIDE-ON	284/360	150	11-1/8	9	1.03	1.35

STANDARD EQUIPMENT: FOR 49-24-0165 AND 49-24-0155: Work Light, 2-Clip-Lok™ Receivers 43-72-0300, and 2 Work Light Bulbs

ACCESSORIES

LIGHT BULB REPLACEMENT

- 49-81-0020 For Work Light 49-24-0155
- 49-81-0030 For Work Light 49-24-0165.

CLIP-LOK™ BELT CLIP

48-67-0150 Belt clip only.

CLIP-LOK™ RECEIVER

43-72-0300 2-pack replacement clips. Mount to either side of Compact Series driver/drills.



Belt clip ratchets closed to securely lock on to most belts or tool pouches.

HEAVY-DUTY CLIP-LOK™ SYSTEM

- Exclusive Clip-Lok™ System Allows For Convenient, Hands-Free, Transportation Of The Drill And Provides A Convenient Place To Position The Tool.
- One-Handed Load And Release Of Tool
- The Tool Securely "Locks" Onto The Belt
- Bit Storage (2-Bit Capacity)
- Bit-Holder And Clip-Lok™ Can Be Used On Either Side Of The Tool
- Ribs Grip Firmly To Secure Belt Clip To The Users' Belt



**12
VOLT**

**HEAVY-DUTY
3/8" COMPACT SERIES
DRIVER/DRILL**

0602-22 (KIT)

- T-HANDLE DESIGN PROVIDES OPTIMUM BALANCE AND COMFORT
- 3/8" SINGLE-SLEEVE RATCHETING KEYLESS CHUCK



- Reversible Battery Pack Fits into tight work spaces and adjusts balance.
- One-Hour Universal Charger
- Compact Tool Design And Weight Allows For Greater Control And Reduced Fatigue For Enhanced Productivity
- Compact, Lightweight Battery Packs Have A Lower Profile, Making Them Ideal For Use In Tight Spaces
- Exclusive Clip-Lok™ System
- 0-400/0-1400 Rpm For Efficient Hole Drilling And Fastening
- Variable Speed Trigger With soft-grip, non-slip surface for greater control.
- 280 In.-lbs. Torque For Drilling Larger Holes And Using Larger Bits
- Single-Sleeve, Ratcheting Chuck Provides Better Bit-Grip Strength
- Comfortable Soft-Grip Non-Slip Handle For Reduced Fatigue And Vibration
- Cushioned, Non-Slip, Palm Grip For Reduced Fatigue And Vibration
- 20-Position Clutch
- Single-Sleeve Ratcheting Chuck, 3/8" Capacity
- Rubber Bumpers Help Prevent Tool From Sliding Off Sloped Surfaces



SPECIFICATIONS

CATALOG NUMBER	VOLTS DC	SPEED RPM HIGH	SPEED RPM LOW	DRILL MAX. TQ. IN.-LBS.	BATTERY CAPACITY A-HRS.	LENGTH INCHES	NET WGT. LBS.	SHIP. WGT. LBS.
0602-22	12	0-1400	0-400	280	1.3	8-11/16	3.0	11.3

STANDARD EQUIPMENT: FOR 0602-22: 3/8" Driver/Drill, Two 12 Volt Battery Packs 48-11-1967, Clip-Lok™ System, #2 Phillips Bit, Universal Charger, and Impact Resistant Carrying Case 48-55-0670.

EXCLUSIVE CLIP-LOK™ SYSTEM PROVIDES A CONVENIENT PLACE TO CARRY THE DRIVER/DRILL

NEW CLIP-LOK™ BELT CLIP

48-67-0150 Belt clip only.

NEW CLIP-LOK™ RECEIVER

43-72-0300 2-pack replacement clips. Mount to either side of Compact Series driver/drills.



Belt clip ratchets closed to securely lock on to most belts or tool pouches.

HEAVY-DUTY CLIP-LOK™ SYSTEM

- Exclusive Clip-Lok™ System Allows For Convenient, Hands-Free, Transportation Of The Drill And Provides A Convenient Place To Position The Tool.
- One-Handed Load And Release Of Tool
- The Tool Securely "Locks" Onto The Belt
- Bit Storage (2-Bit Capacity)
- Bit-Holder And Clip-Lok™ Can Be Used On Either Side Of The Tool
- Ribs Grip Firmly To Secure Belt Clip To The Users' Belt



HEAVY-DUTY CAULK & ADHESIVE GUNS

FOR AUTO GLASS INSTALLERS, ROOFERS, BUILDING CONTRACTORS, CABINET MAKERS, CARPET LAYERS AND OTHER CAULKING

6560-21*

- 10 OZ. SIZE
- HIGH FORCE



6560-23

- QUART SIZE
- MANUAL CLUTCH RELEASE FOR RAPID LOADING OF MATERIAL



6560-24

- 20 OZ. SIZE- "SAUSAGE FORMAT"



DRAMATICALLY REDUCES USER FATIGUE WHEN COMPARED TO MANUAL APPLICATION

6560-21, 6560-23 AND 6560-24 FEATURES:

- Long Run Time – Expels over 135 (10 oz.) Tubes of Latex Per Battery Charge
- Powerful – 620 lbs. of pushing force easily handles high viscosity materials such as windshield urethanes
- Interchangeable front-ends Works with: Standard caulk tubes, 29 oz. Sub-flooring adhesive, or sausage-packaged materials.
- All metal gear transmission Easily handles high pushing force and provides long life.
- Carriage Swivels 360° For easy caulking around corners and hard to reach areas.
- Ergonomic, T-handle design relieves stress to forearm
- Reversible Battery Pack– Exclusive to Milwaukee shifts weight and allows the operator to get into confined spaces
- Compact Size – 18.5" long w/ standard 10 oz. carriage
- Variable Speed Trigger - Allows for optimal bead control
- Auto Reverse Stops material from expelling when trigger is released, keeping work area clean.

* TOOL AVAILABLE WITHOUT BATTERY, CHARGER OR CASE. SEE "-20" MODELS IN SPECIFICATIONS CHART BELOW

SPECIFICATIONS

CATALOG NUMBER	VOLTS DC	SPEED: SEC. PER CARTRIDGE	CARRIAGE	LENGTH	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
6550-20	2.4	46-120	—	17"	4.0	5.8
• 6560-20	12	—	NA	18-1/2"	2.9	3.5
6560-21	12	—	10 OZ.	18-1/2"	5.2	7.4
6560-23	12	—	QUART SIZE/30 OZ.	22-3/8"	6.2	8.2
6560-24	12	—	SAUSAGE PACK TYPE/20 OZ.	23-7/8"	5.7	7.8

STANDARD EQUIPMENT FOR 6550-20: Caulking Gun, 2.4 Volt Battery Pack and 2.4 Volt Battery Charger 48-59-0180. FOR 6560-20: 12V Caulk Gun only. FOR 6560-21: 12V Caulk Gun, 10oz. Carriage 48-08-1000, Plunger Rod 49-52-0500, Battery Pack 48-11-1967 and Universal Battery Charger 48-59-0255. FOR 6560-23: 12V Caulk Gun, Quart Size Carriage 48-08-1010, Plunger Rod 49-52-0525, Battery Pack 48-11-1967 and Universal Battery Charger 48-59-0255. FOR 6560-24: 12V Caulk Gun, 20oz. Sausage Style Carriage 48-08-1030, Plunger Rod 49-52-0515, Battery Pack 48-11-1967 and Universal Battery Charger 48-59-0255.

* Tool only, less battery, charger carriage and plunger rod.

ACCESSORIES (For "6560" series tools)

10 OZ. CARRIAGE

48-08-1000 Accepts all standard 10 oz. tubes/cartridges.



10 OZ. SAUSAGE STYLE BARREL

48-08-1020 Fits standard 10 oz. "sausage style" material packs.



PLUNGER RODS

49-52-0500 For use with 48-08-1000 10 oz. carriage and 48-08-1020 "sausage style" barrel.
49-52-0515 For use with 48-08-1030 20 oz. "sausage style" barrel.
49-52-0525 For use with 48-08-1010 quart size carriage.



QUART SIZE CARRIAGE

48-08-1010 Accepts quart size tubes/cartridges.



20 OZ. SAUSAGE STYLE BARREL

48-08-1030 Fits standard 20 oz. "sausage style" material packs.





**2.4
VOLT**

**HEAVY-DUTY
SCREWDRIVERS**

**SINGLE SPEED MODELS:
190 RPM**

6539-6

• 3-PIECE BIT SET



6540-1 (KIT)

• 8-PIECE BIT SET



ADJUSTABLE
TWO POSITION
HANDLE

**2-SPEED MODELS:
400/200 RPM**

6546-6

• 3-PIECE BIT SET



6547-1 (KIT)

• 8-PIECE BIT SET



6547-22 (KIT)

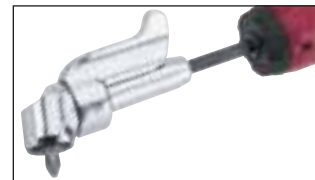
• 1/4" CHUCK ATTACHMENT
WITH KEY

• 4-PIECE BIT SET



- 6-Position Adjustable Clutch
- Forward/ Reverse Button With Switch Lock Feature

ACCESSORIES



OFF-SET™ SCREWDRIVER POWER HEAD

48-32-2100 Use the power and speed of your 2.4 volt cordless screwdriver to fasten or remove screws, tight applications. Durable die cast construction. 1/4" magnetic bit reception for standard bits. 360° adjustable thumb flange. Maximum 100 in./lbs. torque 400 rpm.

48-32-2115 Cut Pack display case of 12, 48-32-2100.

8-PIECE 1/4" HEX DRIVE BIT SET

48-30-0101 Standard equipment for 6540-1 and 6547-1.



IMPACT RESISTANT CARRYING CASE ONLY

48-55-0798 Standard equipment for 6540-1, 6547-1 and 6547-22.

SPECIFICATIONS

MAXIMUM TORQUE (IN.-LBS.)

CATALOG NUMBER	VOLTS DC	SPEED RPM	DIAMETER	POSITION 1-2	POSITION 3-4	POSITION 4-5	POSITION 6	LENGTH (IN.)	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
• 6538-1	2.4	190	1.4"	5 IN.-LBS.	12 IN.-LBS.	16 IN.-LBS.	22 IN.-LBS.	9	.88	1.0
6539-6	2.4	190	1.4"	5 IN.-LBS.	12 IN.-LBS.	16 IN.-LBS.	22 IN.-LBS.	9	.88	2.8
6540-1	2.4	190	1.4"	5 IN.-LBS.	12 IN.-LBS.	16 IN.-LBS.	22 IN.-LBS.	9	.88	4.9
• 6545-6	2.4	400/200	1.4"	3.5 IN.-LBS.	10.5 IN.-LBS.	17.5 IN.-LBS.	26 IN.-LBS.	9-3/8	.88	2.8
6546-6	2.4	400/200	1.4"	3.5 IN.-LBS.	10.5 IN.-LBS.	17.5 IN.-LBS.	26 IN.-LBS.	9-3/8	.88	2.8
6547-1	2.4	400/200	1.4"	3.5 IN.-LBS.	10.5 IN.-LBS.	17.5 IN.-LBS.	26 IN.-LBS.	9-3/8	.88	4.9
6547-22	2.4	400/200	1.4"	3.5 IN.-LBS.	10.5 IN.-LBS.	17.5 IN.-LBS.	26 IN.-LBS.	9-3/8	.88	5.2

STANDARD EQUIPMENT: FOR 6538-1 • – Single Speed Screwdriver. FOR 6539-6 – 6538-1 Screwdriver, 48-30-1510 #1 Phillips Bit, 48-30-1520 #2 Phillips Bit, 48-30-0500 6-7 Slotted Bit, 2.4 Volt Battery Pack and 120 Volt AC One-Hour Battery Charger. FOR 6540-1 – Same as 6539-6 Plus 1/4" Chuck Attachment with Key 49-22-1560, 8-Piece Driver/Drill Bit Set and Impact Resistant Carrying Case. FOR 6545-6 • – Two Speed Screwdriver. FOR 6546-6 – Two Speed Screwdriver, 48-30-1510 #1 Phillips Bit, 48-30-1520 #2 Phillips Bit, 48-30-0500 6-7 Slotted Bit, 2.4 Volt Battery Pack, and 120 Volt AC One-Hour Battery Charger. FOR 6547-1 – Same as 6546-6 Plus 1/4" Chuck Attachment with Key 49-22-1560, 8-Piece Driver/Drill Bit Set and Impact Resistant Carrying Case. FOR 6547-22 – Two Speed Screwdriver, Two 48-11-0100 2.4 Volt Battery Packs, 48-59-0300 One-Hour Battery Charger, 1/4" Chuck Attachment with Key 49-22-1560, 48-32-2050 1/4" Nut Driver With 1/4" Hex, 48-89-0125 1/8" Twist Drill Bit, 48-89-0187 3/16" Twist Drill Bit, 48-89-0250 1/4" Twist Drill Bit and Impact Resistant Carrying Case.

• Unit Sold Less Battery Pack. Specifications Shown With Battery.

HEAVY-DUTY 2.4 VOLT CORDLESS TOOL ACCESSORIES



2.4 VOLT CORDLESS TOOLS	CAT. NO.	USE WITH TOOL MODEL NO'S
NI-CAD BATTERY	48-11-0100	6550-20, 6538-1, 6539-6, 6540-1,
1-HOUR CHARGER	48-59-0300	6545-6, 6546-6, 6547-1, 6547-22
VEHICLE CHARGER	48-59-0181	6545-6, 6546-6, 6547-1, 6547-22
IMPACT RESISTANT CARRYING CASE	48-55-0798	
CHUCK & KEY	49-22-1560	6546-6, 6547-1, 6547-22
KEY ONLY	48-66-3350	6546-6, 6547-1, 6547-22



HEAVY-DUTY 18, 14.4 AND 12 VOLT BATTERIES

HEAVY-DUTY "SLIDE-ON STYLE" BATTERIES



CATALOG NO.

48-11-2230

DESCRIPTION

18 VOLT

2.4 A-H "SLIDE-ON STYLE" BATTERY
2.4 Amp-Hr battery delivers the most run time.
Compatible with 18 volt products listed below.

TOOLS COMPATIBLE WITH:

All 18 Volt Milwaukee Tools and Work Lights **except:**
6516-20 • 6516-21 • 6516-22 • 6516-23 • 1108-20
1108-21 • 3108-21 • 5364-20 • 5364-21



CATALOG NO.

48-11-1024

DESCRIPTION

14.4 VOLT

2.4 A-H "SLIDE-ON STYLE" BATTERY
Low profile design is compact and light-weight.
Compatible with 14.4 volt products listed below.

TOOLS COMPATIBLE WITH:

All 14.4 Volt Milwaukee Tools and Work Light

48-11-1014

14.4 VOLT

1.7 A-H "SLIDE-ON STYLE" BATTERY
Low profile design is compact and light-weight.
Compatible with 14.4 volt products listed below.

All 14.4 Volt Milwaukee Tools and Work Light



CATALOG NO.

48-11-1970

DESCRIPTION

12 VOLT

2.4 A-H "SLIDE-ON STYLE" BATTERY
Low profile design is compact and light-weight.
Compatible with 12 volt products listed below.

TOOLS COMPATIBLE WITH:

All 12 Volt Milwaukee Tools and Work Light

48-11-1967

12 VOLT

1.3 A-H "SLIDE-ON STYLE" BATTERY
Low profile design is compact and light-weight.
Compatible with 12 volt products listed below.

All 12 Volt Milwaukee Tools and Work Light



18
VOLT
SYSTEM

14.4
VOLT

12
VOLT

HEAVY-DUTY BATTERY CHARGERS

HEAVY-DUTY BATTERY CHARGERS

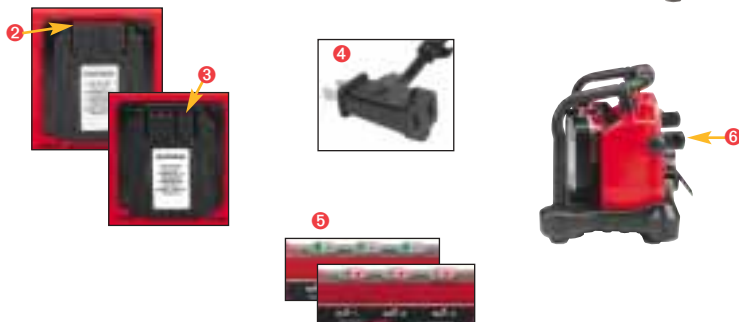


CATALOG NO.	48-59-0255	48-59-0186
DESCRIPTION	ONE-HOUR UNIVERSAL CHARGER Charges ALL Milwaukee "Slide-On Style" batteries, including Ni-Cd and Ni-MH.	ONE-HOUR VEHICLE CHARGER Plugs into vehicle's cigarette lighter. Compatible with ALL Milwaukee "Slide-On Style" batteries, including Ni-Cd and Ni-MH.
TOOLS COMPATIBLE WITH:	All 18, 14.4 and 12 Volt Milwaukee Tools and Work Lights	All 18, 14.4 and 12 Volt Milwaukee Tools and Work Lights



JOB SITE TOUGH!

CATALOG NO.	48-59-0260
DESCRIPTION	MULTI-BAY CHARGER Charges ALL Milwaukee "Slide-On Style" batteries, including Ni-Cd and Ni-MH. <i>See below for more details!</i>
TOOLS COMPATIBLE WITH:	All 18, 14.4 and 12 Volt Milwaukee Tools and Work Lights



RUGGED CONSTRUCTION

- Withstands 3' Foot Drop To Concrete With Battery Attached
- Generator, Inverter And Long Extension Cord Ready - Due To Wide Input Voltage Range Of AC Charger

MAXIMIZING BATTERY PACK LIFE

- Charge Between 40° To 105° F
- Allow Battery Pack To Cool Before Charging
- Do Not Deeply Discharge Battery
- Store Batteries In Cool Places
- Occasionally Charge Battery Packs Overnight To Top-Off Individual Cells in Pack

2-STEP CHARGING PERFORMANCE

- 1) 1 Hour Fast-Charge Mode
- 2) Maintenance Mode - Keeps The Battery Pack Fully Charged While On Charger

TEMPERATURE PROTECTION CIRCUITRY

- Charges Battery Packs At A Slower Rate When Battery Pack Temperature Is Below 40°F Or Above 105°F
- Automatically Switches To Fast Charge Mode When Battery Pack Temperature Falls Within 40°F to 105°F Temperature Range

MULTI-BAY CHARGER 48-59-0260

- 1 Charge Up To Three Battery Packs Of The Same Or Other Voltage Simultaneously
- Fast Charging In 45 Minutes For Minimal Down Time
- Micro-Controlled Conditioning Mode Maximizes Run Time Automatically During Each Charge Cycle
- Generator, Inverter And Long Extension Cord Ready - Due To Wide Input Voltage Range Of AC Charger
- Durable Construction Protects The Charger In Harsh Job Site Environment
- For Use With All Milwaukee "Slide-On Style" Battery Packs
- 2 Dust Cover Protects Charger Terminals From Job Site Contamination And Debris
- 3 Automatically Retracts When A Battery Is Inserted
- 4 9' Cord With Pass Through Plug
- 5 High Visibility LED Indicators Let You Know What Charging Stage The Battery Pack Is In
- 6 Convenient Cord Wrap Also Acts As A Shock Absorber If The Unit Is Tipped Or Dropped
- Impact Resistant Base Provides Ultimate Protection In Job Site Conditions
- Withstands 8' Drop To Concrete (With Battery Packs Attached)



18
VOLT
SYSTEM

14.4
VOLT

12
VOLT

HEAVY-DUTY
18, 14.4 AND 12
VOLT ACCESSORIES

HEAVY-DUTY CONTRACTOR BAGS

Made of tough, water resistant, 600 denier material. Provides extra storage for job-site tools and accessories, shoulder strap with all-metal hooks for durability. 5 different sizes.



CATALOG NO. **48-55-3490**
DESCRIPTION **HEAVY-DUTY CONTRACTOR BAG**
SIZE 17"l x 9"w x 10"h

CATALOG NO. **48-55-3500**
DESCRIPTION **HEAVY-DUTY CONTRACTOR BAG**
SIZE 20.5"l x 9"w x 8"h

CATALOG NO. **48-55-3510**
DESCRIPTION **HEAVY-DUTY CONTRACTOR BAG**
SIZE 18"l x 11"w x 10"h



CATALOG NO. **48-55-3530**
DESCRIPTION **HEAVY-DUTY CONTRACTOR BAG**
SIZE 26.5"l x 13"w x 14"h

CATALOG NO. **48-55-3525**
DESCRIPTION **HEAVY-DUTY SPORTSMEN'S CAMO BAG**
SIZE 21"l x 11"w x 10"h
Mossy Oak® camo pattern.

HEAVY-DUTY IMPACT RESISTANT CARRYING CASES



CATALOG NO. **48-55-3000**
DESCRIPTION **IMPACT RESISTANT CARRYING CASE (LARGE)**
USE WITH TOOL NO.: 6515-23 • 6515-24
6515-26 • 0901-24

CATALOG NO. **48-55-9075**
DESCRIPTION **IMPACT RESISTANT CARRYING CASE (SMALL)**
USE WITH TOOL NO.: All 18 Volt Impact Wrenches

CATALOG NO. **48-55-0675**
DESCRIPTION **IMPACT RESISTANT CARRYING CASE (SMALL)**
USE WITH TOOL NO.: Driver/Drill 0612-26 and WorkLight Combo Kit

CATALOG NO. **48-55-0930**
DESCRIPTION **IMPACT RESISTANT CARRYING CASE**
USE WITH TOOL NO.: All 18 and 14.4 Volt Lok-Tor™ Driver/Drills and Hammer-Drills



CATALOG NO. **48-55-0670**
DESCRIPTION **IMPACT RESISTANT CARRYING CASE**
USE WITH TOOL NO.: Driver/Drills 0602-22 and 0612-22.
Features on-board bit and Clip-Lok™ storage.

CATALOG NO. **48-55-3070**
DESCRIPTION **IMPACT RESISTANT CARRYING CASE**
USE WITH TOOL NO.: All 14.4 Volt Impact Wrenches.
Accessory storage.

CATALOG NO. **48-55-3050**
DESCRIPTION **IMPACT RESISTANT D-HANDLE CARRYING CASE**
USE WITH TOOL NO.: All 18 Volt D-Handle Tool
5361-24 • 1109-24 • 3109-24
6515-27 • 6515-99

CATALOG NO. **48-55-3080**
DESCRIPTION **IMPACT RESISTANT CIRCULAR SAW CARRYING CASE**
USE WITH TOOL NO.: 6310-20 • 6310-22 • 0902-24
6320-20 • 6320-21



18
VOLT
SYSTEM

14.4
VOLT

12
VOLT

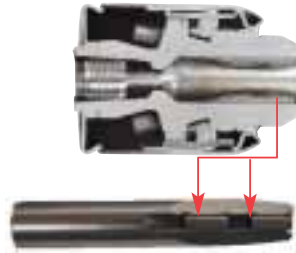
**HEAVY-DUTY
DRILL CHUCKS**

HEAVY-DUTY CORDLESS DRILL CHUCKS



**48-66-1575
Lok-Tor® Chuck**
Knurled Sleeve Provides
A Comfortable, Durable
Gripping Area

100% All-Metal Chuck For Ultimate
Durability And Performance



Carbide Tipped Jaws Provide
Unmatched Gripping Strength

- **Exclusive Milwaukee Chuck! All-metal Single Sleeve Ratcheting Chuck With Carbide Tipped Jaws On All Lok-Tor® Driver/Drill and Hammer-Drill Models**
Provides unbeatable gripping strength on the bits and provides longer life of the chuck and the bits.
- **Ratcheting Action Prevents The Bit From Slipping**
- **Highest Rated Grip Torque On Any Cordless Drill**
Up to 43% more grip torque than the leading competitor!
- **All-Metal Construction Inside And Out For Ultimate Durability**
- **Ratcheting Action Provides Unmatched Locking Action On Bits**

FITS ALL COMPETITIVE MODELS WITH SAME THREAD SIZE

	CHUCK CATALOG NUMBER	CAPACITY	THREAD SIZE	DESCRIPTION	MILWAUKEE CORDLESS TOOLS COMPATIBLE WITH
12 VOLT	48-66-0360	3/8"	3/8"-24	Plastic 2-Sleeve	0502-02
	48-66-1250	3/8"	3/8"-24	Plastic 1-Sleeve	0602-22
	48-66-1530	3/8"	3/8"-24	Metal 2-Sleeve	0502-02
14.4 VOLT	48-66-1400	1/2"	1/2"-20	Plastic 2-Sleeve	0501-02
	48-66-1400	1/2"	1/2"-20	Plastic 2-Sleeve	0511-21
	48-66-0420	1/2"	3/8"-24	Plastic 2-Sleeve	0512-21
	48-66-1270	1/2"	1/2"-20	Plastic 1-Sleeve	0612-22
	48-66-1375	1/2"	1/2"-20	Metal 2-Sleeve	0513-21, 0514-20, 0516-20
	48-66-1575	1/2"	1/2"-20	Metal 1-Sleeve	0614-20, 0616-20
	48-66-1400	1/2"	1/2"-20	Plastic 2-Sleeve	0521-20, 0523-20
18 VOLT SYSTEM	48-66-1375	1/2"	1/2"-20	Metal 2-Sleeve	0522-20, 0524-20, 1109-20, 3109-20
	48-66-1575	1/2"	1/2"-20	Metal 1-Sleeve	0614-20, 0616-20, 0622-20, 0624-20



HEAVY-DUTY CORDLESS TOOL ACCESSORIES

HEAVY-DUTY MISC. ACCESSORIES



CATALOG NO.	49-17-0120	49-17-0130	49-17-1050
DESCRIPTION	CELL PHONE HOLSTER * Protect your cell phone from job site abuse. Fits most cell phones including Nokia® and Motorola® phones. Metal belt clip and a belt loop fits belts up to 2" wide. Velcro strap keeps holster securely closed.	BATTERY HOLSTER * Provides contractor the ability to carry an extra battery. Fits all Milwaukee 12-18V slide-on style batteries. Metal belt clip and a belt loop that fits belts up to 3" wide. Velcro strap keeps holster securely closed.	UNIVERSAL CORDLESS DRILL HOLSTER For use with all T-handle and pistol grip drills.

* Accessories made from same rugged water resistant material that our Contractor bags are made from and carry the same red embroidered Milwaukee logo.

HEAVY-DUTY 12, 9.6, & 7.2 VOLT TOOL ACCESSORIES

12 VOLT CORDLESS TOOLS	CAT. NO.	TOOL MODELS	12 VOLT CORDLESS TOOLS CONT.	CAT. NO.	TOOL MODELS
1.7 A-H SUPER-TOUGH NI-CAD BATTERY	48-11-0200	0407-6, 0407-22, 0415-20, 0415-21,	12V WORK LIGHT	49-24-0100	
3.0 A-H FAT PACK NI-CAD BATTERY	48-11-0300	0415-23, 9057-6, 9058-6	WORK LIGHT BULB REPLACEMENT	49-81-0010	On Work Light 49-24-0100.
12 volts, 3 amp-hr delivers maximum run time. Get 18 volt run time from your Milwaukee 12 volt tool. Compatible with all 12 volt Milwaukee cordless tools, except Power-Plus models.			9.6 VOLT CORDLESS TOOLS		
SUPER CHARGER II	48-59-0192		NI-CAD BATTERY	48-11-0080	
AUTO CHARGER	48-59-0172		SUPER CHARGER II	48-59-0192	
IMPACT RESISTANT CARRYING CASE	48-55-0240	0407-6, 0407-22, 0415-20, 0415-21	AUTO CHARGER	48-59-0172	
IMPACT RESISTANT CARRYING CASE	48-55-1910	0478-6	IMPACT RESISTANT CARRYING CASE	48-55-0220	All MILWAUKEE
IMPACT RESISTANT CARRYING CASE	48-55-9055	9057-6, 9058-6	STEEL CARRYING CASE	48-55-1575	9.6 volt drills
STEEL CARRYING CASE	48-55-9060	0422-6	KEYLESS CHUCK	48-66-0360	
STEEL CARRYING CASE	48-55-9090	0431-6, 0436-6, 0446-6	BATTERY HOLSTER	49-17-0243	
STEEL CARRYING CASE	48-55-1575	0407-6, 0415-20, 0415-21	7.2 VOLT CORDLESS TOOLS		
KEYLESS CHUCK	48-66-0400	0422-6	NI-CAD BATTERY	48-11-0130	
KEYLESS CHUCK	48-66-0390	All 3/8" applications.	IMPACT RESISTANT CARRYING CASE	48-55-0520	
KEYLESS CHUCK	48-66-0360		KEYLESS CHUCK	48-66-0360	All MILWAUKEE
BATTERY HOLSTER	49-17-0244	0401-6, 0407-6, 0415-20, 0415-21, 0415-23, 0422-6, 0430-1, 0431-6, 0436-6, 0446-6, 0478-6, 9057-6, 9058-6	AUTO CHARGER	48-59-0172	7.2 volt drills
			SUPER CHARGER II	48-59-0192	
			BATTERY ADAPTER*	48-03-2600	
			Adapts the Milwaukee "Tower" battery style tools to be compatible with the Milwaukee 12 or 14.4 volt slide-on style batteries. Works with slide-on style battery models: 48-11-1900, 48-11-1950, 48-11-1000, 48-11-1024 *Patented		

HEAVY-DUTY ACCESSORIES



CATALOG NO.	49-17-0110	NEW 49-17-0170	NEW 49-17-0180
DESCRIPTION	CONTRACTOR PARTS ORGANIZER * Inside of the bag are 6 oversized pockets, outside of the bag are 14 pockets surrounding the bag's perimeter. It has a draw cord with a cord lock for easy and secure cinching of the bag and a carrying strap.	55-POCKET BUCKET TOOL ORGANIZER * Internal drill holster with 7/8" I.D. grommet securely holds up to an 18v milwaukee drill with bit or impact wrench. Dedicated speed square sleeve attached to drill holster. 55-total pockets of assorted shapes and sizes positioned inside and out for storage. Fits standard 3-1/2 or 5 gallon buckets for jobsite convenience. Two pockets with Velcro® flaps for covered storage. Bar tacked stress points for extra reinforcement.	50-POCKET BUCKET-LESS TOOL ORGANIZER * 50-total pockets of assorted shapes and sizes positioned inside and out provide limitless storage options. Padded carrying handles internal hammer loop. Zippered external pocket. two pockets with velcro® flaps for covered storage. Tape measure holders. Removable, reinforced plastic floor provides rigidity. Bar tacked stress points for extra reinforcement.

* Accessories made from same rugged water resistant material that our Contractor bags are made from and carry an embroidered Milwaukee logo.

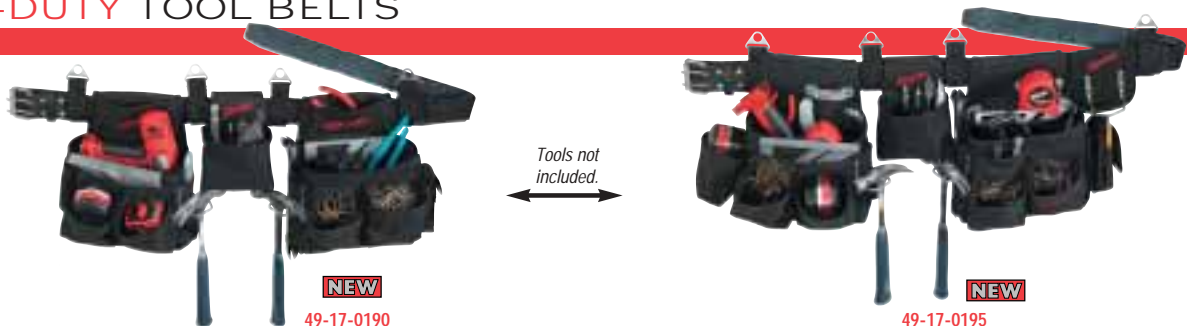
HEAVY-DUTY WORK GLOVES



- Reinforced Wrist Cuff with Hook and Loop Closure for Secure Fit
- 2-Way Spandex Optimizes Breathability, Comfort, Fit, Flexibility and Overall Glove Integrity
- Embroidered Milwaukee Logo Ensures Heavy-Duty, Quality Product
- Reinforced Fingertips Enhance Durability without Compromising Dexterity
- Synthetic Leather Palm Enhances Breathability, Durability and Wear Resistance
- Padded Palm With Memory Foam Offers Increased Comfort
- Silicone Finger Pads For Superior Gripping

CATALOG NO.	49-17-0140	49-17-0135	49-17-0125	49-17-0115
DESCRIPTION	MILWAUKEE WORK GLOVE Size XL	MILWAUKEE WORK GLOVE Size L	MILWAUKEE WORK GLOVE Size M	MILWAUKEE WORK GLOVE Size S

HEAVY-DUTY TOOL BELTS



CATALOG NO.	49-17-0190	49-17-0195
DESCRIPTION	33-POCKET / 3-PIECE TOOL BELT Heavy-duty 600 denier ripstop polyester material is extremely durable, resists tearing, and is lightweight in construction. Large flat bottom pouches for expanded storage capabilities. Cell phone holder accepts a cell phone or 2-way radio. Speed square pockets located in each large pouch for easy access. 2 hammer loops. 4 suspender clips. 2-1/2" wide padded belt with leather ends and double tongue roller buckle fits waists 30" to 48".	33-POCKET / 5-PIECE TOOL BELT Heavy-duty 1800 denier ballistic polyester material offers superior durability, tear and abrasion resistance. 2 heavy-duty die-cast tape measure holders accommodate a standard 25' or 30' tape measure and a Milwaukee compact drill. Large flat bottom pouches for expanded storage capabilities. 2 heavy-duty die cast gussets in the corners of each large flat bottom pouch increase strength and rigidity. Detachable cell phone holder accepts a cell phone or 2-way radio. Speed square pockets located in each large pouch for easy access. 3 hammer loops. 4 suspender clips. 2-1/2" wide padded belt with leather ends and double tongue roller buckle fits waists 30" to 48".



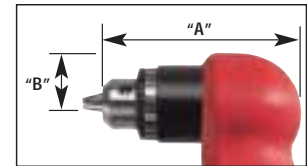
HEAVY-DUTY 1/2" & 3/8" CLOSE QUARTER DRILLS

0375-6

• 3/8" CLOSE
QUARTER DRILL



- Unique Ergonomic Design – 55° Angled Chuck
For easy access to tight places
- Lightweight
- Comfortable Grip, Efficient Paddle Switch
- Quiet Running
- Helical Cut, Heat Treated Gears For Heavy-Duty Industrial/Construction Applications
- All Ball And Roller Bearings



	0375	0379
"A"	3-15/16"	4-3/16"
"B"	1-3/16"	1-3/16"

0379-1

• 1/2" CLOSE
QUARTER DRILL



SPECIFICATIONS

CATALOG NUMBER	CAPACITY IN STEEL	VOLTS AC ONLY	AMPS	NO LOAD RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. CHUCK KEY INCLUDED	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (IN.)	NET WGT. LBS.	SHIP. WGT. LBS.
0375-6	3/8"	120	3.5	0-1300	DOUBLE	1/2" - 20	48-66-2115	48-66-3240	6-1/2	3.0	3.5
0379-1	1/2"	120	3.5	0-750	DOUBLE	1/2" - 20	48-66-2120	48-66-3480	6-3/4	3.5	4.0

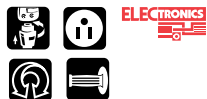
STANDARD EQUIPMENT: FOR 0375-6 – 3/8" Chuck, Chuck Key and Rubber Flex Key Holder 48-66-4040. FOR 0379-1 – 1/2" Chuck, Chuck Key and Rubber Flex Key Holder 48-66-4040.



HEAVY-DUTY 1/2" MAGNUM® DRILLS

0234-6

• WITH KEYED CHUCK



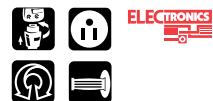
0236-6 (KIT)

• INCLUDES 0234-6 MAGNUM® DRILL WITH STEEL CARRYING CASE AND REMOVABLE TRAY



0235-21

• 1/2" MAGNUM® DRILL WITH ALL-METAL, GRIP-LOK™, SINGLE SLEEVE CHUCK
• INTERNAL SPINDLE LOCK-SINGLE HAND OPERATION TO TIGHTEN/LOOSEN CHUCK



**ALL-METAL
GRIP-LOK CHUCK
2X GRIP
STRENGTH
ON BIT!**



0244-1

• WITH KEYED CHUCK



- Powerful MILWAUKEE Built 5.5 AMP Motor
- Removable Brush Cartridge System
Change brushes in less than one minute, with only a screw-driver. Self-stopping brushes. Includes spare brushes stored in cartridge.
- Aluminum Gear Case And Diaphragm Supplies Greater Support For Shaft And Bearings
- Heavy-Duty Industrial Chucks
- Trigger Speed Control Reversing Switches
- All Ball And Roller Bearings
- Helical Cut, Heat Treated Gears For Heavy-Duty Industrial/Construction Applications
- 8' 3-Wire Quik-Lok® Cord Sets
Quick detachment from tool for tangle free carrying and storage. Instant field repair.



EXCLUSIVE 0235-21 FEATURE

- All-Metal Grip-Lok™ Keyless Chucks
For extreme durability. Carbide jaws for long life. High gripping torque prevents slippage. Lightly knurled for comfortable grip.

SPECIFICATIONS

CATALOG NUMBER	CAPACITY IN STEEL	VOLTS AC ONLY	AMPS	NO LOAD RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. CHUCK KEY INCLUDED	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (IN.)	NET WGT. LBS.	SHIP. WGT. LBS.
0234-6	1/2"	120	5.5	0-850	DOUBLE	1/2" - 20	48-66-1360	48-66-3280	10-1/2	4.8	6.0
0235-21	1/2"	120	5.5	0-850	DOUBLE	1/2" - 20	48-66-1575	—	10-1/2	4.9	6.0
0236-6 KIT	1/2"	120	5.5	0-850	DOUBLE	1/2" - 20	48-66-1360	48-66-3280	10-1/2	4.8	14.8
0244-1	1/2"	120	5.5	0-600	DOUBLE	1/2" - 20	48-66-1360	48-66-3280	10-1/2	4.8	6.0

STANDARD EQUIPMENT: FOR 0234-6 – 8' 3-Wire Quik-Lok Cord 48-76-4008, Chuck, Chuck Key, Rubber Flex Key Holder 48-66-4040 and Side Handle 49-15-0260. FOR 0235-21 – 8' 3-wire Quik-Lok Cord 48-76-4008, Single Sleeve Keyless Chuck and Side Handle 49-15-0260. FOR 0236-6 – Variable Speed 1/2" Magnum Hole-Shooter No. 0234-1, 8' 3-Wire Quik-Lok Cord 48-76-4008, Chuck, Chuck Key, Rubber Flex Key Holder 48-66-4040, Side Handle 49-15-0260 and Steel Carrying Case 48-55-0711. FOR 0244-1 – 8' 3-Wire Quik-Lok Cord 48-76-4008, Chuck, Chuck Key, Rubber Flex Key Holder 48-66-4040 and Side Handle 49-15-0260.



HEAVY-DUTY 1/2" MAGNUM® DRILLS

0299-20

• WITH KEYED CHUCK



VALUE AND PERFORMANCE!

0300-20

• WITH KEYED CHUCK



ERGONOMIC TACTILE GRIP ON HANDLE AND MOTOR HOUSING

0302-20

• ALL METAL, GRIP-LOK™, SINGLE SLEEVE CHUCK
• INTERNAL SPINDLE LOCK-SINGLE HAND OPERATION TO TIGHTEN/LOOSEN CHUCK



ERGONOMIC TACTILE GRIP ON HANDLE AND MOTOR HOUSING

ALL-METAL GRIP-LOK CHUCK
2X GRIP STRENGTH ON BIT!

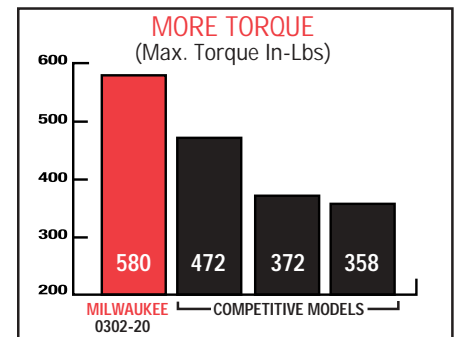
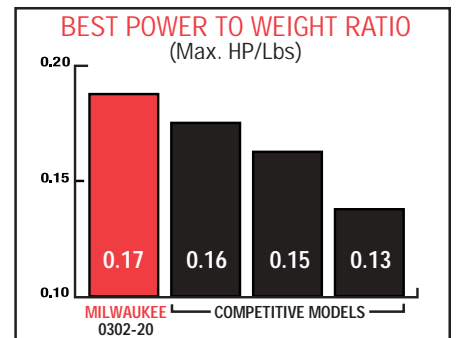


BEST POWER TO WEIGHT RATIO! IMPROVED ERGONOMICS! MORE POWER!

- Powerful 8.0 Amp Milwaukee Motor
- Variable Speed Control, 0-850 RPM
- All Metal Gear Case And Diaphragm
- 360° Positive Lock Side Handle
- New Switch With Two-Finger Trigger
- Modular Brush Card Design
- All Ball And Roller Bearings

EXCLUSIVE 0302-20 FEATURE

- 8' 3-Wire Quik-Lok® Cord Sets
Quick detachment from tool for tangle free carrying and storage. Instant field repair.
- All-Metal Grip-Lok™ Keyless Chucks
For extreme durability. Carbide jaws for long life. High gripping torque prevents slippage. Lightly knurled for comfortable grip.



ACCESSORIES

LOCK PREVENT BUTTON

31-53-0205 For Pistol Drills and Screwdrivers.

SPECIFICATIONS

CATALOG NUMBER	CAPACITY IN STEEL	VOLTS AC ONLY	AMPS	NO LOAD RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. CHUCK KEY INCLUDED	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (IN.)	NET WGT. * LBS.	SHP. WGT. LBS.
0299-20	1/2"	120	8.0	0-850	DOUBLE	1/2-20	48-66-1355	48-66-3280	12-13/64	5.4	5.9
0300-20	1/2"	120	8.0	0-850	DOUBLE	1/2-20	48-66-1355	48-66-3280	12-13/64	5.4	5.9
0302-20	1/2"	120	8.0	0-850	DOUBLE	1/2-20	48-66-1575	---	12-1/4	5.6	6.1

STANDARD EQUIPMENT - FOR 0299-20 – 360° Side Handle 49-15-0265, 1/2" Keyed Chuck, Chuck Key, Flexible Key Holder 48-66-4040. FOR 0300-20 – 360° Side Handle 49-15-0265, 1/2" Keyed Chuck, Chuck Key, Flexible Key Holder 48-66-4040. 0302-20 – 360° Side Handle 49-15-0265, 8' 3-Wire Quik-Lok Cord 48-76-4008, 1/2" Single Sleeve All Metal Keyless Chuck.

*Weight includes cord.



HEAVY-DUTY 3/8" MAGNUM® DRILLS

0200-20

- WITH 3/8" KEYED CHUCK



0201-20

- WITH GRIP-LOK™ ALL-METAL TWO-SLEEVE KEYLESS CHUCK



0202-20

- ALL METAL, GRIP-LOK™, SINGLE SLEEVE 3/8" KEYLESS CHUCK
- INTERNAL SPINDLE LOCK—SINGLE HAND OPERATION TO TIGHTEN/LOOSEN CHUCK



0233-20

- WITH GRIP-LOK™ ALL-METAL TWO-SLEEVE KEYLESS CHUCK
- 2-WIRE 8' CORD WITH SEPARATE STRAIN RELIEF



- Powerful MILWAUKEE Built Motor
- All Metal Gear Case Diaphragm And Supplies Greater Support For Shaft And Bearings
- Trigger, Variable, Speed Control, Reversing Switches
- All Ball And Roller Bearings
- Helical Cut, Heat Treated Gears For Heavy-Duty Industrial/Construction Applications

EXCLUSIVE 0200-20, 0201-20 AND 0202-20 FEATURES

- 360° Positive Lock Side Handle
- Ergonomic Tactile Grip On Handle And Motor Housing
- Two-Finger Trigger Switch
- Modular Brush Card Design

EXCLUSIVE 0233-20 FEATURE

- Removable Brush Cartridge System Change brushes in less than one minute, with only a screw-driver. Self-stopping brushes. Includes spare brushes stored in cartridge.



EXCLUSIVE 0201-20, AND 0233-20 FEATURE

- All-Metal Grip-Lok™ 2-Sleeve Keyless Chuck For extreme durability. Hardened jaws for long life. High gripping torque prevents slippage. Lightly knurled for comfortable grip.

EXCLUSIVE 0202-20 FEATURE

- 8' 3-Wire Quik-Lok® Cord Quick detachment from tool for tangle free carrying and storage. Instant field repair.



- All-Metal Grip-Lok™ Single Sleeve Keyless Chuck For extreme durability. Carbide jaws for long life. High gripping torque prevents slippage. Lightly knurled for comfortable grip.

SPECIFICATIONS

CATALOG NUMBER	CAPACITY IN STEEL	VOLTS AC ONLY	AMPS	NO LOAD RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. CHUCK KEY INCLUDED	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (IN.)	NET WGT.* LBS.	SHIP. WGT. LBS.
0200-20	3/8"	120	7.0	0-1200	DOUBLE	1/2-20	48-66-0806	48-66-3080	12	4.2	4.7
0201-20	3/8"	120	7.0	0-2500	DOUBLE	3/8-24	48-66-1530	—	12	4.1	4.7
0202-20	3/8"	120	7.0	0-1200	DOUBLE	1/2-20	48-66-1520	—	12	4.9	5.4
0233-20	3/8"	120	5.5	0-2800	SINGLE	3/8" - 24	48-66-1530	—	10	4.0	5.0

STANDARD EQUIPMENT-FOR 0200-20 – 360° Side Handle 49-15-0265, 3/8" Chuck, Chuck Key, Flexible Key Holder 48-66-4040. FOR 0201-20 – 360° Side Handle 49-15-0265, 3/8" 2-Sleeve All Metal Keyless Chuck, 10' 2-wire Fixed Cord. FOR 0202-20 – 8' 3-wire Quik-Lok Cord 48-76-4008, 360° Side Handle 49-15-0265, 3/8" Single Sleeve All Metal Keyless Chuck. FOR 0233-20 – 2-Sleeve All Metal Keyless Chuck and Side Handle 49-15-0260.

*Weight includes cord.



HEAVY-DUTY 1/4" MAGNUM® DRILLS

0101-20

• WITH 1/4" KEYED CHUCK



BEST POWER TO WEIGHT RATIO! IMPROVED ERGONOMICS! MORE POWER!

- Powerful 7.0 Amp Milwaukee Motor
- Variable Speed Control
- All Metal Gear Case And Diaphragm
- 360° Positive Lock Side Handle (Model 0100-20 only.)
- Ergonomic Tactile Grip On Handle And Motor Housing
- New Switch With Two-Finger Trigger
- Modular Brush Card Design
- All Ball And Roller Bearings
- 8' 3-Wire Quik-Lok® Cord
Quick detachment from tool for tangle free carrying and storage. Instant field repair.



0100-20

• WITH 1/4" KEYED CHUCK



SPECIFICATIONS

CATALOG NUMBER	CAPACITY IN STEEL	VOLTS AC ONLY	AMPS	NO LOAD RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. CHUCK KEY INCLUDED	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (IN.)	NET WGT.* LBS.	SHIP. WGT. LBS.
0100-20	1/4"	120	7.0	0-2500	DOUBLE	3/8-24	48-66-0070	48-66-3200	11-1/2	4.7	5.2
0101-20	1/4"	120	7.0	0-4000	SINGLE	3/8-24	48-66-0070	48-66-3200	10-13/64	3.8	4.3

STANDARD EQUIPMENT 0100-20 – 8' 3-wire Quik-Lok Cord 48-76-4008, 360° Side Handle 49-15-0265, 1/4" Chuck, Chuck Key, Flexible Key Holder 48-66-4080. 0101-20 – 8' 3-wire Quik-Lok Cord 48-76-4008, 1/4" Chuck, Chuck Key, Flexible Key Holder 48-66-4080.

*Weight includes cord.



HEAVY-DUTY DRAIN CLEANERS AND ACCESSORIES



0566-1



0567-1 (KIT)



- Quick, Easy Rodding Of Up To 2" Wastelines
- Holds Up To 35' Of 3/8" Or 50' Of 5/16" Inner Core Cable
- Keyless Chuck Offers Quick Hand Tightening And Cable Feed
- Ball And Roller Bearings
- Rust Resistant Aluminum Drum
- Trigger Speed Control Reversing Motor Protects Cable From Damage

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	SPEED (NO LOAD) RPM	MAX. PIPE SIZE I.D.	LENGTH (IN.)	NET WGT. LBS.	SHIP WGT. LBS.
0566-1	120	1.6	0-450	2"	17	7.3	10.0
0567-1 KIT	120	1.6	0-450	2"	17	7.3	34.0

STANDARD EQUIPMENT: FOR 0566-1 – Tool Only. FOR 0567-1 – 1/4" x 25' Steel Cable 48-53-0055, 1/4" Replacement Bulb 49-20-0025, Toilet Trap Guide No. 49-13-0010 and Steel Carrying Case 48-55-6055.

ACCESSORIES

STANDARD COILED CABLE



Music wire used in all Milwaukee Coiled Cables retains the rebound resiliency needed for tough drains. All cables are right hand wind design which is important when pressure is applied. The coil spring expands against the locking device or chuck to eliminate slippage.

48-53-0045 5/16" x 25' 48-53-0075 1/4" x 30'
48-53-0055 1/4" x 25' 48-53-0080 5/16" x 30'



PLASTIC CORE CABLE

Plastic core cables offer the same features and benefits as the standard cables. In addition, they also offer a unique steel core for strength and a plastic sheath which adds to the cable body and corrosion protection along with come back resiliency. These features will add longer life to your Milwaukee cables.

A quick lock system allows the operator to simply place the head onto the cable and lock it into place quickly and easily. Release of the head is simple with a push of the button. No special tools are required that can be lost or misplaced.

48-53-0065 5/16" x 25' Inner-Core Cable includes Drop Head
48-53-0070 5/16" x 30' Inner-Core Cable includes Drop Head
48-53-0085 5/16" x 50' Inner-Core Cable includes Drop Head
48-53-0090 3/8" x 35' Inner-Core Cable includes Drop Head



CUTTERS

48-38-0055 3/4" For 5/16" or 3/8" inner-core drop head cable.

REPLACEMENT BULB

49-20-0025 1/4" replacement bulb.



49-20-0045 5/16" replacement bulb.



DROP HEAD ASSEMBLY

49-16-0015 For 5/16" inner-core cable.



49-16-0025 For 3/8" inner-core cable.



SNAP LOK COUPLING

48-50-0015 For 5/16" inner-core cable.
48-50-0025 For 3/8" inner-core cable.



TOILET TRAP GUIDE

49-13-0010



CHUCK

48-66-0270 Jacobs chuck with collet.



TYPE "E" GREASE

49-08-4122 1 lb. can

CARRYING CASE ONLY

48-55-6055 For use with 0566-1



HEAVY-DUTY 1/2" "D" HANDLE DRILLS & RIGHT ANGLE DRILLS

ELECTRONICS ON MODELS 1001-1, 1007-1, 1107-6, 1250-1, 3300-1, 3107-6 AND 3002-1

1250-1

• 0-1000 RPM

1001-1

• 0-600 RPM

1101-1

• 500 RPM



- 1/2" Trigger Speed Control Reversing
- 7.0 Amp MILWAUKEE Motors (All models except 3300-1.)
- Helical Cut, Heat Treated Gears
- Durable, Glass Reinforced Nylon Handles
- All Models Variable Speed, Control Reversing Except 1101-1 and 3102-6 (Single Speed Reversing)
- All Ball And Roller Bearings

1007-1

• 0-600 RPM

1107-6

• 0-500 RPM



EXCLUSIVE 1007-1, 1107-6, 3107-6 AND 3300-1 FEATURE

- 8' 3-Wire Quik-Lok® Cord Sets Quick detachment from tool for tangle free carrying and storage. Instant field repair.



3102-6

• PLUMBERS' KIT

3002-1

• ELECTRICIANS' KIT



3107-6

• VARIABLE SPEED KIT



RIGHT ANGLE DRILL FEATURES

- Use With Up To 4-5/8" Selffeed Bits Model numbers 3107-6, and 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.



3300-1

• MAGNUM® RIGHT ANGLE DRILL KIT



SPECIFICATIONS

CATALOG NUMBER	CAPACITY IN STEEL	VOLTS AC ONLY	AMPS	NO LOAD DRILL ONLY RPM	NO LOAD RPM	INCLUDES DRILL NO.	GEAR REDUCTION	SPINDLE DIAMETER AND THREAD	RPM W/RAD LOW SIDE	HIGH SIDE	LENGTH (IN.)	NET WGT. LBS.	SHIP. WGT. LBS.
1001-1	1/2"	120	7.0	-	0-600	-	TRIPLE	1/2" - 20	-	-	14-3/4	6.8	7.5
1007-1	1/2"	120	7.0	-	0-600	-	TRIPLE	1/2" - 20	-	-	14-3/4	6.8	8.9
1101-1	1/2"	120	7.0	-	500	-	TRIPLE	1/2" - 20	-	-	14-3/4	6.8	8.2
1107-6	1/2"	120	7.0	-	0-500	-	TRIPLE	1/2" - 20	-	-	14-3/4	6.8	9.1
1250-1	1/2"	120	7.0	-	0-1000	-	DOUBLE	1/2" - 20	-	-	14-3/4	6.5	8.1
3002-1	1/2"	120	7.0	0-600	-	1001-1	QUADRUPLE	-	0-400	0-900	-	10.3	16.0
3102-6	1/2"	120	7.0	500	-	1101-1	QUADRUPLE	-	335	750	-	10.3	16.3
3107-6	1/2"	120	7.0	0-500	-	1107-6	QUADRUPLE	-	0-335	0-750	-	10.3	16.5
3300-1	1/2"	120	5.5	0-850	-	0234-6	TRIPLE	-	0-565	0-1275	-	8.0	16.9

STANDARD EQUIPMENT: FOR 1250-1, 1001-1, 1101-1 – Side Handle, Chuck Key and Rubber Flex Key Holder. **FOR 1007-1 AND 1107-6** – Side Handle, 8' 3-Wire Quik-Lok® Cord Set 48-76-4008, Chuck Key and Rubber Flex Key Holder. **FOR 3102-6, 3002-1, 3107-6, 3300-1** – 48-06-2871 Right Angle Drive, 49-96-4060 9/16" Open End Wrench, 49-96-0080 3/16" Socket Wrench, Chuck Remover Bar, Side Handle and Impact Resistant Carrying Case 48-55-0802 (Steel Case for 3300-1 is 48-55-0200). **KITS 3300-1 AND 3107-6 ALSO CONTAIN:** 8' 3-Wire Quik-Lok® Cord Set 48-76-4008.



HEAVY-DUTY ANGLE DRIVE UNITS



DRIVE UNIT
48-06-2871 For drill models 0234-6 and 0244-1.

CONVERTS MILWAUKEE STRAIGHT DRILLS TO ANGLE DRILLS

- Used Extensively For Drilling Between Joists, Studding, In Tight Corners Or In Close Quarters On Machinery And Equipment
- Provides Two Additional Drilling Speeds
- Chuck Transferred From Drill To LOW Spindle Of Right Angle Unit Reduces Drills Normal Speed By 1/3 And Increases Drilling Torque By 50%
- Chuck Transferred To Opposite Spindle Of Right Angle Unit Increases Speed by 50%

FOR REVERSING DRILL MOTORS

- Drive Unit No. 48-06-2871 Includes Coupling No. 42-90-0175 for 0234-6 And 0244-1



Head and Handle Swivel 360° and Can Be Locked Tight in Any Position.



30" EXTENSION
48-95-0400 For drill models 1001-1, 1007-1, 1101-1, 1107-6, 1109-24 and 1250-1.
30" extension available separately for use with MILWAUKEE RAD unit No. 48-06-2871. Unit comes complete with 30" extension tube, drive shaft with hex socket on both ends, two clamping collars and side handle. Purchase RAD unit separately.



33° ANGLE DRIVE KIT
48-06-2860 For drill models 1001-1, 1007-1, 1101-1, 1107-6, 1109-24 and 1250-1.
Stretches drilling reach up to 30 inches. Permits easy drilling of up to 2-9/16" dia. holes. Kit consists of an extension tube, side handle, drive shaft with hex sockets on both ends, two clamping collars and a 33° angle drive unit. Use 33° angle drive with the 30" extension only. 33° angle units operate at the same speed as the drill powering them.

RAD Assembly for Use with the Following Milwaukee Drills:

DRILL CATALOG NO. AND TYPE	RPM DRILL ONLY	RPM WITH RAD LOW SIDE	RPM WITH RAD HIGH SIDE
0234-6 MAGNUM® PISTOL DRILL	0-850	0-565	0-1275
0244-1 MAGNUM® PISTOL DRILL	0-600	0-400	0-900
0431-1 1/2" CORDLESS DRILL	0-600	0-400	0-900
1001-1 "D" HANDLE DRILL	0-600	0-400	0-900
1007-1 "D" HANDLE DRILL	0-600	0-400	0-900
1101-1 "D" HANDLE DRILL	500	335	750
1107-6 "D" HANDLE DRILL	0-500	0-335	0-750
1109-24 "D" HANDLE DRILL	0-500	0-335	0-750
1250-1 "D" HANDLE DRILL	0-1000	0-665	0-1500

MAGNUM® AND R.A.D. ACCESSORIES



CARRYING CASES
48-55-0802 Impact resistant carrying case for "D" Handle drills
48-55-0200 20 gauge steel for Magnum® drill 3300-1.



OPTIONAL ADJUSTABLE SIDE HANDLE FOR R.A.D.
49-15-0200
SIDE HANDLE
49-15-0151 Threaded side handle for D-handle drills.



QUICK CHANGE CHUCK FOR "D" HANDLE DRILLS
48-03-0006 1/2" 7/16" Quick drive shank
TYPE "A" GREASE FOR "D" HANDLE DRILLS
49-08-0500 1/2 lb. can
49-08-0800 1 lb. can
TYPE "E" GREASE FOR MAGNUM® DRILL
49-08-4122 1 lb. can



HEAVY-DUTY COMPACT DRILLS AND SUPER HOLE-SHOOTER DRILLS

1610-1
1630-1
1660-6

COMMON FEATURES:
• 1/2" CAPACITY



1663-20
• 1/2" CAPACITY



2404-1

• 1-1/4" CAPACITY
• FURNISHED WITH
NO. 3 INTERNAL
MORSE TAPER
SOCKET



1854-1

• 3/4" CAPACITY



COMPACT AND SUPER HOLE-SHOOTER FEATURES

- Extra Long Switch Handle And Pipe Handle Allow Maximum Leverage For Drilling, Reaming Large Holes And Added Control
- Rear Mounted Assist Spade Handle
- Moly Chrome Alloy Steel Gears For High Torque Transmission With Minimum Wear

EXCLUSIVE 1663-20 FEATURES

- Current Feedback Reduces Speed Fluctuation When Tool Is Under Load
- Soft Start Reduces Initial Start-Up Torque And Reduces The Stress On The Gear Train—Rapidly Reaches Full Speed
- Line Voltage Compensation
For normal variations in input voltage levels. Keeps motor speed constant.
- 8' Three-Wire Quik-Lok® Cord Set
Quick detachment from tool for tangle-free carrying and storage. Instant field repair.
- Conveniently Located Reversing Switch
- Dial Speed Control – Adjust Speed With Thumb Wheel
Tool will operate at selected speed until reset.



2404-1 AND 1854-1 SPECIAL FEATURES

- Heavy-Duty Aluminum Alloy Housing
- Powerful Milwaukee Built Motor—Reversing
- Ruggedly Built, Reserve Power For Toughest Drilling Jobs
- Heat Treated Helical-Cut Gears For Quiet Performance
- Drive Shafts Run Smooth On Pre-Lubricated Ball Bearings

ACCESSORIES

QUICK CHANGE CHUCK

48-03-0006 1/2" 7/16" Quick Change drive shank converts your 3-jaw chuck into a quick change chuck. Allows rapid, keyless insertion and removal of 7/16" hex drive accessories.



TYPE "E" GREASE FOR COMPACT HOLE-SHOOTERS

49-08-4122 1 lb. can

TYPE "J" GREASE FOR SUPER HOLE-SHOOTERS

49-08-4220 1 lb. can

SPECIFICATIONS

CATALOG NUMBER	CAPACITY IN STEEL (INCHES)	VOLTS	AMPS	NO LOAD RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. CHUCK KEY INCLUDED	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INCHES)	NET WGT. LBS.	SHIP. WGT. LBS.
1610-1	1/2	120 AC ONLY	7.0	650	DOUBLE	5/8" - 16	48-66-1381	48-66-3280	12-1/4	11.2	12.4
1630-1	1/2	120 AC ONLY	7.0	900	DOUBLE	5/8" - 16	48-66-1381	48-66-3280	12-1/4	11.2	12.4
1660-6	1/2	120 AC-DC	7.0	450	TRIPLE	5/8" - 16	48-66-1381	48-66-3280	12-1/4	11.4	12.6
1663-20	1/2	120 AC ONLY	7.0	115-450	TRIPLE	5/8" - 16	48-66-1381	48-66-3280	12-1/4	11.9	13.3
1854-1	3/4	120 AC DC	10.0	350	TRIPLE	#3 J.T.*	48-66-2085	48-66-3160	18-1/2	19.0	23.0
2404-1	1-1/4	120 AC DC	10.0	250	TRIPLE	#3 M.T.▲	-	-	18-3/4	23.8	27.8

STANDARD EQUIPMENT: FOR 1663-20 8' 3-Wire Quik-Lok Cord No. 48-76-4008.

* Jacobs Taper Spindle. ▲ With No. 3 Internal Morse Taper Socket. ■ To adapt a 3/4" Capacity Chuck to 2404-1 Drill with No. 3 Internal Morse Taper Socket, order Accessory Chuck Kit No. 49-22-1550. (Kit Consists of Chuck No. 48-66-2000 and Arbor No. 48-07-0100.)

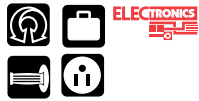


HEAVY-DUTY HOLE-HAWG® DRILL

1675-6



1676-6



1670-1

- CAN POWER UP TO 2-9/16" SELF FEED BIT



FUNCTIONAL DESIGN: PUTS FORCE IN LINE WITH CHUCK

- Power And Torque, Reversing, Compact Design For Drilling Between Studs And Joists
- 2-Position Pipe Handle
- 3-Position Spade Handle
- 2-Speed Gear Shift (Models 1675-6 and 1676-6)
- External Brush Caps
- Heat Treated Cut Steel Gears
- All Ball And Roller Bearings
- Triple Reduction Gearing Handles Up To 4-5/8" Selffeed Bits
- Weighs Only 11-1/2 lbs

EXCLUSIVE 1675-6 AND 1676-6 FEATURE

- Can Power Up To 4-5/8" Selffeed Bit In Low Speed And Drill Up To 1-3/8" Selffeed Bit In High Speed

ACCESSORIES

IMPACT RESISTANT CARRYING CASE

48-55-0111 For use with 1670-1 and 1675-6 (When ordered separately)

TYPE "E" GREASE

49-08-4122 1 lb. can

QUICK CHANGE CHUCK

Converts your 3 jaw chuck into a quick change chuck. Allows rapid, keyless insertion and removal of 7/16" hex drive accessories.

48-03-0006 1/2" 7/16" Quick drive shank

SPECIFICATIONS

CATALOG NUMBER	CAPACITY IN STEEL (INCHES)	VOLTS AC ONLY	AMPS	NO LOAD RPM	GEAR TRAIN	SPINDLE DIAMETER*	REPLACEMENT CHUCK CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INCHES)	NET WGT. LBS.	SHIP. WGT. LBS.
1675-6	1/2	120	7.5	300/1200	TRIPLE	5/8" ROUND	48-66-1481	48-66-3280	6-1/2	11.5	15.0
1676-6	1/2	120	7.5	300/1200	TRIPLE	5/8" ROUND	48-66-1481	48-66-3280	6-1/2	11.5	21.0
1670-1	1/2	120	7.5	900	TRIPLE	5/8" ROUND	48-66-1481	48-66-3280	6-1/2	11.5	14.0

STANDARD EQUIPMENT FOR 1676-6 – Impact Resistant Carrying Case 48-55-0111.

*Includes Drive Key

2-WIRE QUIK-LOK CORD SETS FOR DOUBLE INSULATED TOOLS			
Cat. No.	Description	NEMA Plug Type	
48-76-5010	2-Wire 10' Quik-Lok	1-15P	
48-76-5025	2-Wire 25' Quik-Lok	1-15P	
3-WIRE QUIK-LOK CORD SETS			
Cat. No.	Description	NEMA Plug Type	
48-76-4008	3-Wire 8' Quik-Lok	5-15P	
48-76-4025	3-Wire 25' Quik-Lok	5-15P	
3-WIRE QUIK-LOK CORD SETS WITH TWIST LOCK PLUG			
Cat. No.	Description	NEMA Plug Type	
48-76-4108	3-Wire 8' Quik-Lok W/Twist Lock Plug	L5-20P	
48-76-4125	3-Wire 25' Quik-Lok W/Twist Lock Plug	L5-20P	

Recommended Minimum Wire Gauge For Extension Cords*	Nameplate Amperes	Extension Cord Length					
		25'	50'	75'	100'	150'	200'
0-5.0	16	16	16	14	12	12	
5.1-8.0	16	16	14	12	10	-	
8.1-12.0	14	14	12	10	-	-	
12.1-15.0	12	12	10	10	-	-	
15.1-20.0	10	10	10	-	-	-	

* Based on limiting the line voltage drop to five volts at 150% of the rated amperes.

QUIK-LOK® CORDS

2-WIRE AND 3-WIRE QUIK-LOK CORD SETS

- Premium Grade Hi-Flex Wire And Insulating System
- Quick Detachment From Tool For Tangle Free Carrying And Storage
- Instant Field Repair
- Quik-Lok With Twist Lock Plug Cord Sets Also Available





HEAVY-DUTY SUPER-HAWG® DRILL

1680-20



1680-21



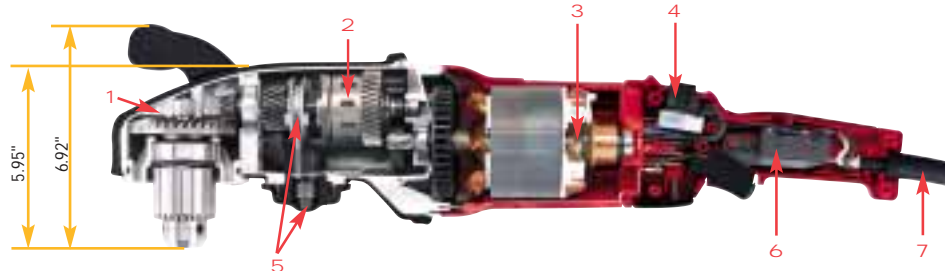
GEAR SHIFT KNOB

FEATURES INCLUDE:

- Powerful, Heavy-Duty Milwaukee Built Motor
- Powerful – Highest Amp Rating (13.0) And Power-To-Weight Ratio In Its Class
- Low Speed Clutch Protects Gear Train
- Fast Drilling – Highest RPM (1,750 High/450 Low) In Its Class
- Maximum SFB At 1,750 RPM – 2-9/16"
- Rotating Handle – Roto-Lok® 90° Left/Right Rotation For Most Comfortable Grip Position
- T-Bar Front Grip Helps Guide Bit With Ease, Low Profile For Easy Access
- Cushion Grips Provide More Comfortable Gripping
- Gear Shift Knob For Smooth, Efficient Gear Shift Design
- Easy Access Brush Covers Make It Simple To Replace Brushes



- 1 ALL METAL GEAR CASE
- 2 CLUTCH
- 3 TRICKLE VARNISHED AND SLURRY COATED ARMATURE
- 4 REVERSING SWITCH
- 5 GEAR SHIFT MECHANISM
- 6 RELIABLE, HIGH AMP ON/OFF SWITCH
- 7 9' RUBBER 3-WIRE CORD



SPECIFICATIONS

CATALOG NUMBER	CAPACITY IN STEEL (INCHES)	VOLTS AC ONLY	AMPS	NO LOAD RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INCHES)	NET WGT. LBS.	SHIP. WGT. LBS.
1680-20	1/2	120	13.0	1750/450	TRIPLE	5/8" - 16	48-66-1381	48-66-3280	22	14.7	16.5
1680-21	1/2	120	13.0	1750/450	TRIPLE	5/8" - 16	48-66-1381	48-66-3280	22	14.7	21.7

STANDARD EQUIPMENT: For 1680-20 – Tool and Side Handle. For 1680-21 – Tool, Side Handle and Impact Resistant Carrying Case.

ACCESSORIES

IMPACT RESISTANT CARRYING CASE



48-55-1680 Standard equipment with 1680-21. Room for up to 2-9/16" selffeed bit in chuck. Storage space for 18" ship auger, 4-5/8" selffeed and other bits.

SELFFEED BITS

All sizes have removable and replaceable feed screws. Two feed screws furnished with each bit.



LARGE SELFFEED BITS

Large selffeed bits in 3", 3-5/8", 4-1/8" and 4-5/8" sizes have double inside cutter blades that shave hole radius for clean, smooth holes without pressure. Replaceable arbor.

HEAVY-DUTY SHIP AUGER BITS



For all types of construction. Precision machined for smooth, wobble free boring. Hardened cutting edges require less resharp-ening.



QUICK CHANGE AUGER BITS

All 4" twist and 6-1/2" long, 7/16" hex shanks for sure chuck grip.



7/16" HEX SHANK EXTENSIONS WITH QUICK CHANGE SHANK

For selffeed bits, auger bits and hole saws (1" diameter and larger) with 7/16" hex shank.

BI-METAL HOLE SAWS



MILWAUKEE Bi-Metal Hole Saws are designed for cutting all machinable materials, including steel, aluminum, copper, brass, sheet metal, stainless steel, wood or plastics.

CARBIDE-TIPPED HOLE SAWS



MILWAUKEE Carbide-Tipped Hole Saws are designed for cutting ceramic tile, flakeboard, fiberboard, fiberglass and wood. Not recommended for metal.

QUICK CHANGE CHUCK

Converts your 3 jaw chuck into a quick change chuck. Allows rapid, keyless insertion and removal of 7/16" hex drive accessories.



48-03-0006

1/2"

7/16" Quick drive shank



HEAVY-DUTY INDUSTRIAL DRILL CHUCKS AND KEYS

HEAVY-DUTY ACCESSORIES



1/2" KEYED CHUCK
48-66-1360



1/2" KEYED CHUCK
48-66-5185



3/8" KEYLESS CHUCK
48-66-0390



3/8" KEYLESS CHUCK
48-66-0400



3/8" 2-SLEEVE KEYLESS CHUCK
48-66-1530



1/2" SINGLE SLEEVE KEYLESS CHUCK
48-66-1510



1/2" KEYLESS CHUCK
48-66-0600

KEYED CHUCKS FOR REVERSING DRILLS AND HAMMER DRILLS (Chuck Key Included)



CHUCK CATALOG NUMBER	CAPACITY	THREAD SIZE	CHUCK KEY CATALOG NUMBER	KEY HOLDER CATALOG NUMBER
48-66-0070	1/4"	3/8"-24	48-66-3200	48-66-4080
48-66-0104	1/4"	1/2"-20	48-66-3200	48-66-4080
48-66-0230 ●	1/4"	#1 Taper	48-66-3200	48-66-4080
48-66-0240 ●	3/8"	#2 Taper	48-66-3080	48-66-4040
48-66-0795	3/8"	3/8"-24	48-66-3240	48-66-4040
48-66-0805	3/8"	3/8"-24	48-66-3080	48-66-4040
48-66-0817	3/8"	3/8"-24	48-66-3350	—
48-66-0818	3/8"	3/8"-24	48-66-3470	—
48-66-1360	1/2"	1/2"-20	48-66-3280	48-66-4040
48-66-5185	1/2"	1/2"-20	48-66-2110	48-66-4040
48-66-1381	1/2"	5/8"-16	48-66-3280	48-66-4040
48-66-2100	1/2"	3/8"-24	48-66-3480	48-66-4040

48-66-2000	3/4"	#3 Taper	48-66-3160	48-66-4020
48-66-2080	3/4"	#3 Taper	48-66-3160	48-66-4020
48-66-2085	3/4"	#3 Taper	48-66-3160	48-66-4020

● Chuck removal wedges required (Set of 2)
For 1/4" drill – #1 Jacobs taper No. 49-91-0010
For 3/8" drill – #2 Jacobs taper No. 49-91-0020



QUICK CHANGE CHUCKS

Converts your 3 jaw chuck into a quick change chuck. Allows rapid, keyless insertion and removal of 1/4" or 7/16" hex drive accessories.

CATALOG NUMBER	SHANK	APPLICATION
48-03-0005	3/8"	1/4" Quick drive shank
48-03-0006	1/2"	7/16" Quick drive shank

KEYLESS CHUCKS

CHUCK CATALOG NUMBER	CAPACITY	THREAD SIZE
48-66-0390	3/8"	3/8"-24
48-66-0400	3/8"	3/8"-24
48-66-1530	3/8" → 2-Sleeve	3/8"-24
48-66-1520	3/8" → Single Sleeve	1/2"-20
48-66-0600	1/2"	1/2"-20
48-66-1375	1/2" → 2-Sleeve	1/2"-20
48-66-1510	1/2" → Single Sleeve	1/2"-20

BULK CHUCK KEYS AND KEY HOLDERS – NON CARDED

CATALOG NUMBER	DESCRIPTION
48-66-3081	25 Pack for 3/8" chuck with 1/4" pilot
48-66-3241	25 Pack for 3/8" chuck with 15/64" pilot
48-66-3281	25 Pack for 3/8" and 1/2" chuck with 1/4" pilot
48-66-4041	25 Pack of 48-66-4040 chuck key holders.**
48-66-4081	25 Pack of 48-66-4080 chuck key holders.**

** See chuck chart at top of page for which keys fit which chuck key holders.



CHUCK KEYS AND RUBBER FLEX KEY HOLDERS



HEAVY-DUTY SELFEED BITS & QUICK CHANGE AUGER BITS

HEAVY-DUTY ACCESSORIES

- **FAST, AGGRESSIVE YET BALANCED AND SMOOTH DRILLING.**
- **SPECIALTY STEEL ALLOY HEAT TREATED FOR MAXIMUM TOUGHNESS AND WEAR RESISTANCE. HARD AND TOUGH!**
- **RESHARPENABLE WITH A STANDARD FILE.**



SELFEED BITS

All sizes have removable and replaceable feed screws. Two feed screws furnished with each bit. Feed screw provides fast, effortless feeding even in gummy woods. Inside cutting plane shaves hole radius for clean, smooth holes without pressure.



LARGE SELFEED BITS

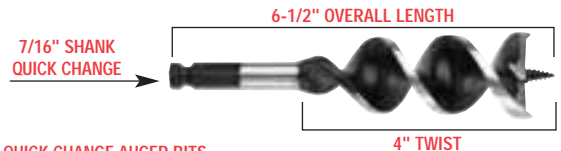
Large selffeed bits in 3", 3-5/8", 4-1/8" and 4-5/8" sizes have double inside cutter blades that shave hole radius for clean, smooth holes without pressure. Replaceable arbor.

BOX PACKAGING CATALOG NUMBER	CLAMSHELL PACKAGING CATALOG NUMBER	DESCRIPTION	SHANK TYPE	RECOMMENDED WITH DRILL MODELS	FOR STD. PIPE SIZES
48-25-1001	48-25-1002	1" diameter	7/16" Hex Quick Change Shank	For 1/2" Pistol grip and larger drills.	1/2"
48-25-1121	48-25-1122	1-1/8" diameter			3/4"
48-25-1251	48-25-1252	1-1/4" diameter			
48-25-1371	48-25-1372	1-3/8" diameter		For 1/2" D-handle drills and larger drills.	1"
48-25-1501	48-25-1502	1-1/2" diameter			1"
48-25-1751	48-25-1752	1-3/4" diameter			1-1/2"
48-25-2001	48-25-2002	2" diameter			
48-25-2121	48-25-2122	2-1/8" diameter			
48-25-2251	48-25-2252	2-1/4" diameter			
48-25-2561	48-25-2562	2-9/16" diameter		For 1/2" D-handle drills and larger drills except 1250-1	2"
CATALOG NUMBER	DESCRIPTION			For 1" to 2-9/16" Selffeed Bits	
48-25-6000	Accessory kit for selffeed bits. Includes 5 selffeed screws, 3 set screws and hex wrench				
48-28-6870	Feed screw – Coarse Thread – 1/4"				
49-96-0060	Socket wrench – 1/8"				
06-83-2625	Set screw				



CATALOG NUMBER	DESCRIPTION	RECOMMENDED WITH DRILL MODELS	FOR STD. PIPE SIZES
48-25-3001	3" diameter 3 Milled flats	1001-1, 1675-1 & larger	2-1/2"*
48-25-3621	3-5/8" diameter 3 Milled flats	1001-1, 1675-1 & larger	3"*
48-25-4125	4-1/8" diameter 3 Milled flats	1001-1, 1675-1 & larger	3"**
48-25-4621	4-5/8" diameter 3 Milled flats	1675-6, 1680-20 & 3102-1, 3107-1	4"*
48-25-7000	Accessory kit for selffeed bits. Includes 3 selffeed screws, 2 set screws and hex wrench.		
48-07-0201	Replaceable arbor	For 3" and Larger Selffeed Bits	
48-28-6880	Feed screw – Regular Thread – 3/8"		
49-96-0070	Socket wrench – 5/32"		
06-83-3150	Set screw		

*Cast iron or copper pipe size **PVC pipe w/ coupling



QUICK CHANGE AUGER BITS

All 4" twist and 6-1/2" long. 7/16" hex shanks for sure chuck grip. Feed screw pilot draws bit into wood. Sharp cutting spurs and lips can be quickly resharpened for fast, efficient production. Quick change auger bit sizes include:

SHANK	DIA.	CAT. NO. NUMBER	OVERALL LENGTH	FOR STD. PIPE SIZES
7/16"	7/8"	48-13-6552	6-1/2"	3/8"
7/16"	1-1/8"	48-13-6554	6-1/2"	1/2"
7/16"	1-1/4"	48-13-6555	6-1/2"	3/4"
7/16"	1-1/2"	48-13-6557	6-1/2"	1"

7/16" SHANK QUICK CHANGE



7/16" HEX SHANK EXTENSIONS WITH QUICK CHANGE SHANK

For selffeed bits, auger bits and hole saws (1" diameter and larger) with 7/16" hex shank.

CATALOG NUMBER	LENGTH	REPLACEMENT SET SCREW
48-28-4001	5-1/2"	06-83-2711
48-28-4006	12"	REPLACEMENT 1/8" SOCKET WRENCH 49-96-0060
48-28-4011	18"	
48-28-4016	24"	

*7/16" Hex Shanks fit 3 Jaw Chucks or 7-16" Quick Change Chucks.

7/16" QUICK CHANGE CHUCK

Used with Quick Change Shank

CAT. NO.	SHANK	APPLICATION
48-03-0006	1/2"	7/16" Quick drive shank





HEAVY-DUTY WOOD BORING DRILL BITS

HEAVY-DUTY SELFEEED BIT KITS



7-BIT PLUMBERS' KIT

49-22-0065 Complete assortment of the most commonly used MILWAUKEE bits for big hole drilling. Quick change auger sizes include 7/8" (48-13-6552), 1-1/8" (48-13-6554), 1-1/4" (48-13-6555), 1-1/2" (48-13-6557) auger bits and selffeed bits in 1-3/4", 2-1/8", 2-9/16" diameters. Also 5-1/2" one piece – shank and coupling – extension and carrying case.



7-BIT CONTRACTORS' KIT

49-22-0130 Complete assortment of the most commonly used MILWAUKEE selffeed bits for big hole drilling. Sizes include 1", 1-1/8", 1-1/4", 1-1/2", 1-3/4", 2-1/8", 2-9/16" diameters. Also 5-1/2" one piece – shank and coupling – extension and carrying case.



4-BIT CONTRACTORS' KIT

49-22-0135 Assortment of MILWAUKEE selffeed bits for big hole drilling. Sizes include 1-3/8", 1-1/2", 2-1/8", 2-9/16" diameters. Also 5-1/2" one piece – shank and coupling – extension and carrying case.

SELFEEED BIT KIT - CASE ONLY

Case is made of hi-impact polyethylene double wall construction for full bit protection. (No metal to metal contact!)

PLUMBERS' KIT CASE: 48-55-0790

CONTRACTORS' KIT CASE (4 OR 7 BIT): 48-55-0775

HEAVY-DUTY AUGER & SHIP AUGER BITS

Sizes from 3/4" to 1-1/2"...All 4" twist and 6-1/2" long. 7/16" hex quick change shanks for sure chuck grip. Feed screw pilot draws bit into wood. Sharp cutting spurs and lips can be quickly resharpened for fast, efficient production. Hardened alloy steel protect against damage in nail imbedded wood.

For all types of wood frame construction. Hardened alloy steel for long life in the nail imbedded wood. Precision machined for smooth, wobble free boring. Large, wide throat design gives excellent chip removal. Self feeding screw point and 7/16" hex quick change shank. Impact wrenches featuring a quick change chuck and 1/2" D-Handle drills and larger can use all 1/2 7/16" shank bits.



6-1/2" AUGER BITS

SHANK	DIA.	CATALOG NUMBER	OVERALL LENGTH	FOR STD. PIPE SIZES
7/16" Hex	3/4"	48-13-0750	6-1/2"	
7/16" Hex	7/8"	48-13-0870	6-1/2"	3/8"
7/16" Hex	1"	48-13-1000	6-1/2"	
7/16" Hex	1-1/8"	48-13-1120	6-1/2"	1/2"
7/16" Hex	1-1/4"	48-13-1250	6-1/2"	3/4"
7/16" Hex	1-3/8"	48-13-1370	6-1/2"	
7/16" Hex	1-1/2"	48-13-1500	6-1/2"	1"



6" SHIP AUGER BITS

SHANK	DIA.	CATALOG NUMBER	OVERALL LENGTH
7/16" Hex	11/16"	48-13-0683	6"
7/16" Hex	3/4"	48-13-0753	6"
7/16" Hex	13/16"	48-13-0813	6"
7/16" Hex	7/8"	48-13-0873	6"
7/16" Hex	15/16"	48-13-0933	6"
7/16" Hex	1"	48-13-1003	6"
7/16" Hex	1-1/16"	48-13-1063	6"
7/16" Hex	1-1/8"	48-13-1123	6"
7/16" Hex	1-1/4"	48-13-1253	6"
7/16" Hex	1-3/8"	48-13-1373	6"
7/16" Hex	1-1/2"	48-13-1503	6"

18" SHIP AUGER BITS

SHANK	DIA.	CATALOG NUMBER	OVERALL LENGTH
7/16" Hex	9/16"	48-13-5560	18"
7/16" Hex	5/8"	48-13-5620	18"
7/16" Hex	11/16"	48-13-5680	18"
7/16" Hex	3/4"	48-13-5750	18"
7/16" Hex	13/16"	48-13-5810	18"
7/16" Hex	7/8"	48-13-5870	18"
7/16" Hex	15/16"	48-13-5930	18"
7/16" Hex	1"	48-13-6000	18"
7/16" Hex	1-1/16"	48-13-6010	18"
7/16" Hex	1-1/8"	48-13-6120	18"
7/16" Hex	1-1/4"	48-13-6250	18"
7/16" Hex	1-3/8"	48-13-6370	18"
7/16" Hex	1-1/2"	48-13-6500	18"

HEAVY-DUTY ELECTRICIAN'S BITS



A fast spiral, two flute – six inch twist, self feeding bit with an overall length of 8-1/2" for any tradesman needing a smooth, clean hole 5/8" to 1-1/4". 5/8" to 1" diameter bits have a 5/16" hex shank and 1-1/8" to 1-1/4" diameter bits have a 7/16" hex shank.

DIAMETER	CATALOG NUMBER	OVERALL LENGTH	CATALOG DIAMETER	OVERALL NUMBER	LENGTH
5/8"	48-13-8062	8-1/2"	7/8"	48-13-8087	8-1/2"
11/16"	48-13-8068	8-1/2"	1"	48-13-8100	8-1/2"
3/4"	48-13-8075	8-1/2"	1-1/8"	48-13-8112	8-1/2"
13/16"	48-13-8081	8-1/2"	1-1/4"	48-13-8125	8-1/2"



HEAVY-DUTY WOOD BORING DRILL BITS AND FLAT BORING BITS

HEAVY-DUTY BELLHANGER BITS



For installers of all types of small wire systems – computer, security, phone cable, etc. Extra length for extra reach. Pull the wire back through the hole by simply attaching a line or the wire to the bit.

DIAMETER	CATALOG NUMBER	OVERALL LENGTH	DIAMETER	CATALOG NUMBER	OVERALL LENGTH	DIAMETER	CATALOG NUMBER	OVERALL LENGTH
1/4"	48-13-7125	12"	3/16"	48-13-7218	18"	1/4"	48-13-7325	24"
5/16"	48-13-7131	12"	1/4"	48-13-7225	18"	3/8"	48-13-7337	24"
3/8"	48-13-7137	12"	5/16"	48-13-7231	18"			
			3/8"	48-13-7237	18"			
			7/16"	48-13-7243	18"			

HEAVY-DUTY CABLE BITS



Also for installers of small wire systems. Cable Bits are flexible steel shaft bits in 54" and 72" lengths that let you reach unreachable areas behind walls with greater ease and precision.

Use of the placement tool accessory is recommended for setting the bit into proper drilling location within the interior of walls.

DIAMETER	CATALOG NUMBER	OVERALL LENGTH	DIAMETER	CATALOG NUMBER	OVERALL LENGTH
3/8"	48-13-8237	54"	3/8"	48-13-8337	72"
1/2"	48-13-8250	54"	1/2"	48-13-8350	72"
9/16"	48-13-8256	54"	9/16"	48-13-8356	72"
3/4"	48-13-8275	54"	3/4"	48-13-8375	72"



PLACEMENT GUIDE TOOL
48-08-0275 Includes instructions.

HEAVY-DUTY FLAT BORING BITS



1/4" to 1-1/2" DIAMETERS

DIAMETER	CATALOG NUMBER	SHANK DIAMETER	OVERALL LENGTH	DIAMETER	CATALOG NUMBER	SHANK DIAMETER	OVERALL LENGTH
1/4"	48-27-0251	1/4" Hex	6-3/16"	13/16"	48-27-0811	1/4" Hex	6-1/8"
5/16"	48-27-0311	1/4" Hex	6-3/16"	7/8"	48-27-0871	1/4" Hex	6-1/8"
3/8"	48-27-0371	1/4" Hex	6-1/16"	15/16"	48-27-0941	1/4" Hex	6-3/16"
7/16"	48-27-0441	1/4" Hex	6-1/16"	1"	48-27-1001	1/4" Hex	6-3/16"
1/2"	48-27-0501	1/4" Hex	6-1/8"	1-1/8"	48-27-1121	1/4" Hex	6-3/8"
9/16"	48-27-0561	1/4" Hex	6-1/8"	1-1/4"	48-27-1251	1/4" Hex	6-3/8"
5/8"	48-27-0621	1/4" Hex	6-1/8"	1-3/8"	48-27-1371	1/4" Hex	6-3/8"
11/16"	48-27-0681	1/4" Hex	6-1/8"	1-1/2"	48-27-1501	1/4" Hex	6-3/8"
3/4"	48-27-0751	1/4" Hex	6-3/8"				

FLAT BORING BITS

- Premium Quality – Heat Treated For Strength And Hardness
- Precision Made Of High Carbon Steel For Durability And Long Life
Bore clean holes fast at any angle in wood, plastic, plywood and formica. Drill point and cutting edges can be resharpened often.
- Fluted Bit Clears Chips
- Furnished With Hole For Use In Wire Pulling
- Flats For Secure Chuck Grip
- 1/4" Quick Change Hex Shank



FLAT BORING BIT KIT

49-22-0071 Assortment includes 6 of the most popular size bits (3/8", 1/2", 5/8", 3/4", 7/8" and 1") in a protective vinyl pouch.

12" FLAT BORING BIT EXTENSION

48-28-3350 For use with flat boring bits.





HEAVY-DUTY 4/6 SUPER-TOUGH® BI-METAL HOLE SAWS



DISPLAY PACKAGING CATALOG NUMBER	BOX PACKAGING CATALOG NUMBER	HOLE DIAMETER SIZE	HOLE DIAMETER SIZE	DEPTH OF CUT	USE WITH ARBOR NUMBER	PIPE TAP	PIPE ENTRANCE SIZE	FOR COPPER PIPE SIZE I.D.	
49-56-0010	49-56-0011	5/8"	16 MM	1-1/2"	↑	-	-	1/4"	
49-56-0015	49-56-0016	11/16"	17 MM	1-1/2"		49-56-6950	-	-	3/8"
49-56-0020	49-56-0021	3/4"	19 MM	1-1/2"		-	3/8"	1/2"	1/2"
49-56-0025	49-56-0026	13/16"	21 MM	1-1/2"		49-56-6960	-	-	1/2"
49-56-0030	49-56-0031	7/8"	22 MM	1-1/2"		-	3/4"	1/2"	5/8"
49-56-0035	49-56-0036	15/16"	24 MM	1-1/2"		49-56-7000	-	-	-
49-56-0040	49-56-0041	1"	25 MM	1-1/2"		-	-	-	3/4"
49-56-0045	49-56-0046	1-1/16"	27 MM	1-1/2"		49-56-7010	-	-	-
49-56-0050	49-56-0051	1-1/8"	29 MM	1-1/2"		↓	1"	3/4"	3/4"
49-56-0055	49-56-0056	1-3/16"	30 MM	1-1/2"		↑	-	-	-
49-56-0060	49-56-0061	1-1/4"	32 MM	1-1/2"	49-56-6970	-	-	1"	
49-56-0065	49-56-0066	1-5/16"	33 MM	1-1/2"	-	-	-	-	
49-56-0070	49-56-0071	1-3/8"	35 MM	1-1/2"	-	1"	-	-	
49-56-0075	49-56-0076	1-7/16"	37 MM	1-1/2"	49-56-7055	-	-	-	
49-56-0080	49-56-0081	1-1/2"	38 MM	1-1/2"	-	1-1/4"	-	1-1/4"	
49-56-0085	49-56-0086	1-9/16"	40 MM	1-1/2"	49-56-7130	-	-	-	
49-56-0090	49-56-0091	1-5/8"	41 MM	1-1/2"	-	-	-	-	
49-56-0095	49-56-0096	1-11/16"	43 MM	1-1/2"	49-56-7140	-	-	-	
49-56-0100	49-56-0101	1-3/4"	44 MM	1-1/2"	↓	1-1/2"	1-1/4"	1-1/2"	
49-56-0105	49-56-0106	1-13/16"	46 MM	1-1/2"	↑	-	-	-	
49-56-0110	49-56-0111	1-7/8"	48 MM	1-1/2"	49-56-7150	-	-	-	
49-56-0115	49-56-0116	2"	51 MM	1-1/2"	↓	-	1-1/2"	-	
49-56-0120	49-56-0121	2-1/16"	52 MM	1-1/2"	↑	-	-	-	
49-56-0125	49-56-0126	2-1/8"	54 MM	1-1/2"	-	-	-	-	
49-56-0130	49-56-0131	2-1/4"	57 MM	1-1/2"	-	2"	-	2"	
49-56-0135	49-56-0136	2-5/16"	59 MM	1-1/2"	-	-	-	-	
49-56-0140	49-56-0141	2-3/8"	60 MM	1-1/2"	-	-	-	-	
49-56-0145	49-56-0146	2-1/2"	64 MM	1-1/2"	-	-	2"	2"	
49-56-0151	49-56-0150	2-9/16"	65 MM	1-1/2"	-	-	-	-	
49-56-0156	49-56-0155	2-5/8"	67 MM	1-1/2"	-	2-1/2"	-	-	
49-56-0161	49-56-0160	2-3/4"	70 MM	1-1/2"	↑	-	-	-	
49-56-0166	49-56-0165	2-7/8"	73 MM	1-1/2"	49-56-7055	-	-	-	
49-56-0171	49-56-0170	3"	76 MM	1-1/2"	↓	-	2-1/2"	2-1/2"	
49-56-0176	49-56-0175	3-1/8"	79 MM	1-1/2"	↑	-	-	-	
49-56-0181	49-56-0180	3-1/4"	83 MM	1-1/2"	49-56-7130	3"	-	-	
49-56-0186	49-56-0185	3-3/8"	86 MM	1-1/2"	-	-	-	-	
49-56-0191	49-56-0190	3-1/2"	89 MM	1-1/2"	49-56-7140	-	-	-	
49-56-0196	49-56-0195	3-5/8"	92 MM	1-1/2"	-	-	3"	-	
49-56-0201	49-56-0200	3-3/4"	95 MM	1-1/2"	49-56-7150	3-1/2"	-	-	
49-56-0206	49-56-0205	3-7/8"	98 MM	1-1/2"	↓	-	-	3-1/2"	
49-56-0211	49-56-0210	4"	102 MM	1-1/2"	↑	-	-	-	
49-56-0216	49-56-0215	4-1/8"	105 MM	1-1/2"	-	-	3-1/2"	3-1/2"	
49-56-0221	49-56-0220	4-1/4"	108 MM	1-1/2"	-	4"	3-1/2"	4"	
49-56-0226	49-56-0225	4-3/8"	111 MM	1-1/2"	-	-	-	-	
49-56-0231	49-56-0230	4-1/2"	114 MM	1-1/2"	-	-	4"	4"	
49-56-0236	49-56-0235	4-3/4"	121 MM	1-1/2"	-	-	-	-	
49-56-0241	49-56-0240	5"	127 MM	1-1/2"	-	-	-	-	
49-56-0246	49-56-0245	5-1/2"	140 MM	1-1/2"	↓	-	-	5"	
49-56-0251	49-56-0250	6"	152 MM	1-1/2"	↑	-	-	-	



FOR GENERAL CONSTRUCTION, PLUMBING, ELECTRICAL, MAINTENANCE WORK

HEAVY-DUTY THICK BACK DESIGN

Hole saws are constructed with 3/16" thick steel backs on 1-1/2" diameter and larger. Smaller diameters have backs thicker than 3/16". Thick backs eliminate the need for driving plates and prevent drive pin holes from elongating.

- **4/6 Teeth – With 8% Cobalt**
Multiple tooth design with varying toothsets and gullet depths. Deeper gullets provide more efficient chip clearance with less heat build-up. Requires lower feed pressure — ideal for higher RPM drills. MILWAUKEE Bi-Metal Hole Saws are high production tools designed for cutting all machinable materials, including steel, aluminum, copper, brass, sheet metal, stainless steel, wood or plastics.
- **Heavy-Duty 3/16" Thick Steel Back**
- **1-1/2" Cutting Depth**
- **Faster, More Aggressive Cutting Plus Heat Resistant Cobalt**
- **Less Vibration For Smoother Cuts**
- **Shatter Resistant**
- **High Alloy Steel Body Construction For Longer Life**
- **High Speed Steel Teeth Electron Beam Welded To A Steel Body**

THREAD SIZE: Size 9/16" thru 1-3/16" is 1/2"-20. Size 1-1/4" thru 6" is 5/8"-18. Order Arbors Separately.



MILWAUKEE HOLE SAWS PROVIDE AN ECONOMICAL MEANS OF EXTENDING THE USEFUL RANGE OF PORTABLE DRILLS, DRILL PRESSES AND LATHES.

HEAVY-DUTY BI-METAL AND CARBIDE-TIPPED HOLE SAWS



BI-METAL 6 TPI (WITH COBALT)

MILWAUKEE Bi-Metal Hole Saws are high production tools designed for cutting all machinable materials, including steel, aluminum, copper, brass, sheet metal, stainless steel, wood or plastics.



CARBIDE-TIPPED 4 TPI

MILWAUKEE Carbide-Tipped Hole Saws provide longer life and faster cutting. Designed for cutting ceramic tile, flakeboard, fiberboard, fiberglass and wood. Not recommended for metal.



RECESSED LIGHT HOLE SAWS

For cutting through drywall, plaster, acoustical tile, ceiling tile and stucco with wire mesh backing. 1-3/4" depth of cut. For use with MILWAUKEE Compact Drills or larger drills.

CATALOG NO.	HOLE SIZE	THREAD SIZE
49-56-0300	4-3/8"	5/8"-18
49-56-0305	6-3/8"	5/8"-18
49-56-0310	6-5/8"	5/8"-18
49-56-0315	6-7/8"	5/8"-18

HOLE-SAW SPECIFICATIONS

BI-METAL CATALOG NUMBER	CARBIDE-TIPPED CATALOG NUMBER	HOLE DIAMETER SIZE	HOLE DIAMETER SIZE	DEPTH OF CUT	USE WITH ARBOR NUMBER	PIPE TAP	PIPE ENTRANCE SIZE	FOR COPPER PIPE SIZE I.D.		
49-56-0620	49-56-0623	5/8"	16 MM	1-1/4"	↑	-	-	1/4"		
49-56-0680		11/16"	17 MM	1-1/2"		-	-	3/8"		
49-56-0750	49-56-0753	3/4"	19 MM	1-1/2"		49-56-6950	-	3/8"	1/2"	
49-56-0810		13/16"	21 MM	1-1/2"		49-56-6951	-	-	1/2"	
49-56-0870	49-56-0873	7/8"	22 MM	1-1/2"		49-56-6960	3/4"	1/2"	5/8"	
49-56-0930		15/16"	24 MM	1-1/2"		49-56-7000	-	-	-	
49-56-1000	49-56-1003	1"	25 MM	1-1/2"		49-56-7010	-	-	3/4"	
49-56-1060		1-1/16"	27 MM	1-1/2"		↓	-	-	-	
49-56-1120	49-56-1123	1-1/8"	29 MM	1-1/2"			-	1"	3/4"	3/4"
49-56-1180		1-3/16"	30 MM	1-1/2"			-	-	-	-
49-56-1250	49-56-1253	1-1/4"	32 MM	1-1/2"	49-56-6970		-	-	1"	
49-56-1310		1-5/16"	33 MM	1-1/2"	49-56-7055		-	-	-	
49-56-1370	49-56-1373	1-3/8"	35 MM	1-1/2"	49-56-7130		-	1"	-	
49-56-1500	49-56-1503	1-1/2"	38 MM	1-1/2"	49-56-7140		1-1/4"	-	1-1/4"	
49-56-1620	49-56-1623	1-5/8"	41 MM	1-1/2"	49-56-7150		-	-	-	
49-56-1750	49-56-1753	1-3/4"	44 MM	1-1/2"	↑		1-1/2"	1-1/4"	1-1/2"	
49-56-1870	49-56-1873	1-7/8"	48 MM	1-1/2"			-	-	-	-
49-56-2000	49-56-2003	2"	51 MM	1-1/2"		-	-	1-1/2"	-	
49-56-2060		2-1/16"	52 MM	1-1/2"		-	-	-	-	
49-56-2120	49-56-2123	2-1/8"	54 MM	1-1/2"		-	-	-	-	
49-56-2250	49-56-2253	2-1/4"	57 MM	1-1/2"		-	2"	-	2"	
49-56-2370	49-56-2373	2-3/8"	60 MM	1-1/2"		-	-	-	-	
49-56-2500	49-56-2503	2-1/2"	64 MM	1-1/2"		-	-	2"	2"	
49-56-2560		2-9/16"	65 MM	1-1/2"		-	-	-	-	
49-56-2620	49-56-2623	2-5/8"	67 MM	1-1/2"		-	2-1/2"	-	-	
49-56-2750	49-56-2753	2-3/4"	70 MM	1-1/2"	-	-	-	-		
49-56-2870	49-56-2873	2-7/8"	73 MM	1-1/2"	-	-	-	-		
49-56-3000	49-56-3003	3"	76 MM	1-1/2"	-	-	2-1/2"	2-1/2"		
49-56-3120		3-1/8"	79 MM	1-1/2"	49-56-7055	-	-	-		
49-56-3250	49-56-3253	3-1/4"	83 MM	1-1/2"	49-56-7130	3"	-	-		
49-56-3370		3-3/8"	86 MM	1-1/2"	49-56-7140	-	-	3"		
49-56-3500	49-56-3503	3-1/2"	89 MM	1-1/2"	49-56-7150	-	-	-		
49-56-3620	49-56-3623	3-5/8"	92 MM	1-1/2"	-	-	3"	-		
49-56-3750	49-56-3753	3-3/4"	95 MM	1-1/2"	↓	3-1/2"	-	-		
49-56-3870		3-7/8"	98 MM	1-1/2"		-	-	-	3-1/2"	
49-56-4000	49-56-4003	4"	102 MM	1-1/2"		-	-	-	-	
49-56-4120		4-1/8"	105 MM	1-1/2"		-	-	3-1/2"	3-1/2"	
49-56-4250	49-56-4253	4-1/4"	108 MM	1-1/2"		-	4"	3-1/2"	4"	
49-56-4370		4-3/8"	111 MM	1-1/2"		-	-	-	-	
49-56-4500	49-56-4503	4-1/2"	114 MM	1-1/2"		-	-	4"	4"	
49-56-4750		4-3/4"	121 MM	1-1/2"		-	-	-	-	
49-56-5000	49-56-5003	5"	127 MM	1-1/2"		-	-	-	-	
49-56-5500		5-1/2"	140 MM	1-1/2"		-	-	-	5"	
49-56-6000	49-56-6003	6"	152 MM	1-1/2"	-	-	-	-		

PILOT DRILLS

1/4" HIGH SPEED



49-56-8000 For Use with Hole Saw Arbors 49-56-6950, 49-56-7000, 49-56-7055, 49-56-7130 and 49-56-7140. For General Cutting of Wood and Metal.



49-56-8002 With 1/4" Fluting for Light Gauge Metals. For Use with Hole Saw Arbors 49-56-6950, 49-56-7000, 49-56-7055, 49-56-7130 and 49-56-7140.



49-56-8003 For Use with Hole Saw Arbors 49-56-6960 and 49-56-6970. For General Cutting of Wood and Metal.



49-56-8010 For Use with Hole Saw Arbors 49-56-7010 and 49-56-7150. For General Cutting of Wood and Metal.

1/4" CARBIDE-TIPPED



49-56-8005 For Use with Carbide-Tip Hole Saws When Drilling Ceramic Tile. Use with Hole Saw Arbors 49-56-6950, 49-56-7000, 49-56-7055, 49-56-7130 and 49-56-7140.

HEX EXTENSION WITH QUICK CHANGE SHANKS

ONE PIECE 7/16" For Hole Saws, Selffeed Bits and Auger Bits (1" Dia. and Larger) with 7/16" Hex Shank.



CATALOG NUMBER	REPLACEMENT SET SCREW CATALOG NO.	REPLACEMENT 1/8" SOCKET WRENCH CATALOG NO.	LENGTH
48-28-4001	06-83-2711	49-96-0060	5-1/2"
48-28-4006	06-83-2711	49-96-0060	12"
48-28-4011	06-83-2711	49-96-0060	18"
48-28-4016	06-83-2711	49-96-0060	24"

Hole Saws and Arbors are Interchangeable with Most Other Brands.

ARBOR SPECIFICATIONS

CATALOG NUMBER	SHANK	THREAD	STANDARD PILOT	CAN USE 1/4" FLUTE PILOT	CAN USE CARBIDE PILOT	FOR HOLE SAW DIAMETERS
A 49-56-6950*	1/4" Round	1/2"-20	49-56-8000	49-56-8002	49-56-8005	9/16"-1-3/16"
A 49-56-6951	Carbide Pilot*	1/2"-20	49-56-8005			9/16"-1-3/16"
B 49-56-6960	1/4" 3 Flats	1/2"-20	49-56-8003			9/16"-1-3/16"
C 49-56-7000	7/16" Hex	1/2"-20	49-56-8000	49-56-8002	49-56-8005	9/16"-1-3/16"
D 49-56-7010	3/8" Hex	1/2"-20	49-56-8010			9/16"-1-3/16"
E 49-56-6970	1/4" 3 Flats	5/8"-18	49-56-8003			1-1/4"-2"
F 49-56-7055	Push Pins	7/16" Hex	49-56-8000	49-56-8002	49-56-8005	1-1/4" & up
H 49-56-7130	Snap Pins	5/8" Hex	49-56-8000	49-56-8002	49-56-8005	1-1/4" & up
G 49-56-7140	Snap Pins	7/16" Hex	49-56-8000	49-56-8002	49-56-8005	1-1/4" & up
I 49-56-7150	Snap Pins	3/8" Hex	49-56-8010			1-1/4" & up



* Arbor Adapter 49-56-6560, Arbor Spacer 49-67-0120 available for use thru 1-1/2" Hole Saw.



HEAVY-DUTY BI-METAL HOLE SAW KITS

HEAVY-DUTY ACCESSORY KITS



7-PIECE CARBIDE TIPPED JOB SAVER KIT 49-22-4075

Consists of 7/8", 1", 1-1/8", 1-1/4", 1-1/2" sizes. Arbor No. 49-56-6951, Arbor Spacer No. 49-67-0120, Arbor Adapter No. 49-56-6560 and sturdy Plastic Case.

PLASTIC CASE ONLY 48-55-0783



7-PIECE JOB SAVER KIT 49-22-4070

Consists of 7/8", 1", 1-1/8", 1-1/4", 1-1/2" sizes. Arbor No. 49-56-6950, Arbor Spacer No. 49-67-0120, Arbor Adapter No. 49-56-6560 and sturdy Plastic Case.

PLASTIC CASE ONLY 48-55-0782



7-PIECE 4/6 TOOTH JOB SAVER KIT 49-22-4071

Consists of 7/8", 1", 1-1/8", 1-1/4", 1-1/2" sizes. Arbor No. 49-56-6950, Arbor Spacer No. 49-67-0120, Arbor Adapter No. 49-56-6560 and sturdy Plastic Case.

PLASTIC CASE ONLY 48-55-0782



8-PIECE ELECTRICIANS' KIT 49-22-4050

Consists of 7/8", 1-1/8", 1-1/2", 1-3/4", 2", 2-1/2" sizes. Arbor Nos. 49-56-7000, 49-56-7140 and sturdy Plastic Case.

PLASTIC CASE ONLY 48-55-0781



13-PIECE PLUMBERS' AND ELECTRICIANS' KIT 49-22-4065

Consists of 3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2" sizes. Arbor Nos. 49-56-6950, 49-56-7140, Pilot Drill No. 49-56-8000, Arbor Spacer No. 49-67-0120, Arbor Adapter No. 49-56-6560 and sturdy Plastic Case.

PLASTIC CASE ONLY 48-55-0781



13-PIECE 4/6 TOOTH PLUMBERS' AND ELECTRICIANS' KIT 49-22-4066

Consists of 3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2" sizes. Arbor Nos. 49-56-6950, 49-56-7140, Pilot Drill No. 49-56-8000, Arbor Spacer No. 49-67-0120, Arbor Adapter No. 49-56-6560 and sturdy Plastic Case.

PLASTIC CASE ONLY 48-55-0781



17 PIECE DELUXE ELECTRICIANS' KIT 49-22-4085

Consists of 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/2", 3" sizes. Arbor Nos. 49-56-7000, 49-56-7140, 3 Pilot Drills No. 49-56-8000 and sturdy Plastic Case.

PLASTIC CASE ONLY 48-55-0784



17 PIECE 4/6 TOOTH DELUXE ELECTRICIANS' KIT 49-22-4086

Consists of 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/2", 3" sizes. Arbor Nos. 49-56-7000, 49-56-7140, 3 Pilot Drills No. 49-56-8000 and sturdy Plastic Case.

PLASTIC CASE ONLY 48-55-0784



HOLE SAW DOOR LOCK INSTALLATION KIT 49-22-4063

Consists of 1" and 2-1/8" 4/6 Tooth Hole Saw, 3/8" Hex Arbor, Arbor Spacer and Arbor Adapter.

HOLE SAW ARBOR SERVICE KIT 48-07-0550

Spring, ball and screws necessary for replacement on Arbor Nos. 49-56-7130, 49-56-7140 and 49-56-7150.

QUICK CHANGE SHEET METAL CARBIDE TOOTH HOLE SAWS

For material up to 3/16" thick. Heavy-Duty Carbide Teeth cut fine holes in stainless steel or structural steel studs. Improve production in brass, aluminum and other thin sheet materials. Use arbor No. 49-57-0035.



DIAMETER	CUTTER ONLY CATALOG NUMBER	DIAMETER	CUTTER ONLY CATALOG NUMBER	DIAMETER	CUTTER ONLY CATALOG NUMBER
3/4"	49-57-8305	1-3/8"	49-57-8323	2-1/4"	49-57-8335
7/8"	49-57-8309	1-7/16"	49-57-8325	2-3/8"	49-57-8337
1"	49-57-8311	1-3/4"	49-57-8329	2-1/2"	49-57-8339
1-1/8"	49-57-8315	2"	49-57-8331	2-5/8"	49-57-8341
1-7/32"	49-57-8317	2-1/8"	49-57-8333	3"	49-57-8343

Lubrication extends carbide life.

- Specifically Designed For Hand Held Applications To Produce Drill Press Quality Holes.
- Drills Burr Free Hole
- Heavy-Duty Cutting Performance
- One Arbor Fits All Cutters
- Easy Slug Ejection Or Removal
- Ability To Pre-Drill Pilot Holes And Then Attach Cutter
- Heavy-Duty Carbide Tipped Hole Saws Stay Sharp Longer Than High-Speed Steel Or Bi-Metal Cutters
- Multiple Teeth Reduce Load – Less Cutting Force Required

5-PIECE ELECTRICIANS' KIT 49-22-8300

Consists of 7/8", 1-1/8", 1-3/8", Pilot & Arbor. Includes Sturdy Plastic Carrying Case

7-PIECE ELECTRICIANS' KIT 49-22-8310

Consists of 7/8", 1-1/8", 1-3/8", 1-3/4", 2", Pilot & Arbor. Includes Sturdy Plastic Carrying Case



QUICK CHANGE STEEL PLATE CARBIDE TOOTH HOLE SAWS

For material up to 1/2" thick. Excellent for hand held applications in 1/4" or 3/8" material – use arbor No. 49-57-0035. For thick material up to 1/2", use a drill press and arbor No. 49-57-0037.



DIAMETER	CUTTER ONLY CATALOG NUMBER	DIAMETER	CUTTER ONLY CATALOG NUMBER	DIAMETER	CUTTER ONLY CATALOG NUMBER
11/16"	49-57-8201	1"	49-57-8211	1-5/16"	49-57-8221
3/4"	49-57-8203	1-1/16"	49-57-8213	1-3/8"	49-57-8223
13/16"	49-57-8205	1-1/8"	49-57-8215	1-7/16"	49-57-8225
7/8"	49-57-8207	1-3/16"	49-57-8217	1-1/2"	49-57-8227
15/16"	49-57-8209	1-1/4"	49-57-8219		

Lubrication extends carbide life. For metals thicker than 1/4", lubrication is recommended.



1-PIECE STEEL HAWG CUTTERS

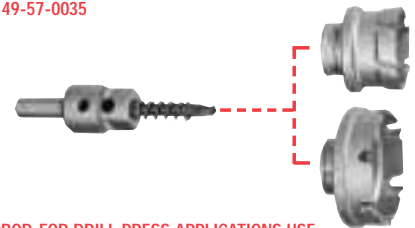
1/2" Cutting Depth
Sizes 11/16" and 13/16"
 Recommended for use with MILWAUKEE Electromagnetic Drill Presses or Hand Drill.

CAT. NO.	DIAMETER
49-57-8068	11/16"
49-57-8081	13/16"

PILOT BITS	DIAMETER
49-57-0038	2-3/4"

QUICK CHANGE ARBOR SYSTEM

ARBOR
49-57-0035



ARBOR FOR DRILL PRESS APPLICATIONS USE:

CATALOG NO.	SHANK	INCLUDES
A 49-57-0037	1/2"	Center Pin and detachable Drill Cap**
B 42-52-1015	N/A	Drill Cap**
40-50-8780	N/A	Ejector Spring

**Drill Cap is for drilling a pilot hole ID used in a hand held application.



5-PIECE CONTRACTORS' KIT 49-22-8200

Consists of 11/16", 13/16", 15/16" Pilot & Arbor. Includes Sturdy Plastic Carrying Case

7-PIECE CONTRACTORS' KIT 49-22-8210

Consists of 11/16", 13/16", 15/16", 1-1/8", 1-3/8", Pilot & Arbor. Includes Sturdy Plastic Carrying Case



HEAVY-DUTY STEP DRILL AND FORSTNER BITS

HEAVY-DUTY STEP DRILL BITS

DRILL PERFECTLY ROUND HOLES IN STEEL, BRASS, COPPER, ALUMINUM, WOOD, PLEXIGLASS AND PLASTIC



A SELF-STARTING MULTI-HOLE BIT
48-89-9100 1/4" shank, 13 hole sizes, make this the perfect all-around bit for most common drilling jobs.



B SELF-STARTING MULTI-HOLE BIT
48-89-9105 3/8" shank, 9 hole sizes, make this a good choice for medium size holes.



C HOLE ENLARGING BIT
48-89-9110 3/8" shank, 9 hole sizes, make this the companion to bit "A". Requires 1/2" or larger pilot hole.



D SELF-STARTING KNOCKOUT
48-89-9115 3/8" shank, drills 7/8" knockouts quickly and easily. Well suited for draw bolt holes for large knockouts and miniature pilot holes.



E SELF-STARTING KNOCKOUT
48-89-9120 1/4" shank, 3/8" hole. Well suited for auto body jobs and electrical panel work.



F SELF-STARTING KNOCKOUT
48-89-9125 1/4" shank, 1/2" hole. For auto body and electrical panel work. Many other uses.



G SELF-STARTING MULTI-HOLE BIT
48-89-9130 3/8" shank, 12 hole size bit perfect for knockouts.



H SELF-STARTING COMBINATION KNOCKOUT
48-89-9135 3/8" shank, 3 hole size bit gives increased flexibility for knockout pilots.



48-89-9050
Set of Two Step Drill Bits

I SET OF TWO STEP DRILL BITS
48-89-9050 Includes 48-89-9100 and 48-89-9110. Gives a range of diameters 1/8" to 1".

HOLE DRILLING APPLICATIONS:

- Drill Up To 13 Different Size Holes With A Single Bit
- Large and Small Knockouts
- Enlarging And Deburring Holes
- Clog-Free, Meltless PVC Drilling



- Auto Rustproofing And Accessory Installations
- Blowing-In Home Insulation
- Crack-Free, Chip-Free Plastic/Plexiglass Drilling
- Sawing/Reaming Composition Board, Soft Wood And Plasterboard

DOUBLE FLUTE DESIGN FEATURE

- Balanced Double Flute Design Provides Two Cutting Edges For Easier, Faster Cutting In Soft Or Hard Material



CATALOG NUMBER	SHANK	HOLE SIZE MAX.	HOLE SIZE MIN.	STEP INCREMENTS	THICKNESS
A 48-89-9100	1/4"	1/2"	1/8"	1/32"	1/8"
B 48-89-9105	3/8"	3/4"	1/4"	1/16"	1/8"
C 48-89-9110	3/8"	1"	9/16"	1/16"	1/8"
D 48-89-9115	3/8"	7/8"	-	-	-
E 48-89-9120	1/4"	3/8"	-	-	-
F 48-89-9125	1/4"	1/2"	-	-	-
G 48-89-9130	3/8"	7/8"	3/16"	1/16"	1/8"
H 48-89-9135	3/8"	1-1/8", 7/8"	1/4"	-	-
I 48-89-9050	1/4" and 3/8"	1"	1/8"	1/32"-1/16"	1/8"

HEAVY-DUTY FORSTNER BITS



Precision made of high carbon tool steel and are ideal for drilling into wood at any angle to produce smooth, splinter-free, flat bottom holes. Excellent for doweling, creating pocket holes, boring any part of a circle, and making clean cuts in thin material and veneers.

CATALOG NUMBER	BIT DIA.	LGTH.	SHANK SIZE	CATALOG NUMBER	BIT DIA.	LGTH.	SHANK SIZE
48-14-0250 •	1/4"	3"	5/16"	48-14-1250	1-1/4"	3-1/2"	3/8"
48-14-0375 •	3/8"	3-1/2"	5/16"	48-14-1375	1-3/8"	3-1/2"	3/8"
48-14-0500 •	1/2"	3-1/2"	5/16"	48-14-1500	1-1/2"	3-1/2"	3/8"
48-14-0625 •	5/8"	3-1/2"	5/16"	48-14-1625	1-5/8"	3-1/2"	3/8"
48-14-0750 •	3/4"	3-1/2"	3/8"	48-14-1750	1-3/4"	3-1/2"	3/8"
48-14-0875 •	7/8"	3-1/2"	3/8"	48-14-1875	1-7/8"	3-1/2"	3/8"
48-14-1000 •	1"	3-1/2"	3/8"	48-14-2000	2"	3-1/2"	3/8"
48-14-1125	1-1/8"	3-1/2"	3/8"	48-14-2125	2-1/8"	3-1/2"	3/8"



7-PIECE FORSTNER BIT SET

48-14-0007 The 7-piece set includes the RED bulleted (•) numbers shown at left.

16-PIECE FORSTNER BIT SET

48-14-0016 The 16-piece set includes all of the bit numbers shown at left.



HEAVY-DUTY HIGH SPEED STEEL THUNDERBOLT® TWIST DRILL BITS

- **Premium Industrial Grade Steel** with heavy duty cutting surfaces powers through deep or shallow holes with lightning speed.
- **Unique Flute Form** improves chip ejection and improves coolant flow to the drill point.

- **Self-Centering, 135° Split Point** reduces “walking” at the drill point.
- **Broad Drilling Spectrum** for performance in low to high tensile strength materials, stainless steel and cast iron.

HEAVY-DUTY THUNDERBOLT® JOBBERS LENGTH DRILL BITS



- **Black & Bronze Jobbers Length Drill Bits**
Feature friction reducing black & bronze color oxide surface treatment.

DIA. (INS.)	BLACK & BRONZE (ENVELOPE)	QTY. PER PK.	BLACK & BRONZE (SKIN)	QTY. PER PK.	TITANIUM COATED (SKIN)	QTY. PER PK.
1/16	48-89-1004	10	48-89-1034	2	48-89-1804	2
5/64	48-89-1005	10	48-89-1035	2	48-89-1806	2
3/32	48-89-1006	10	48-89-1036	2	48-89-1807	2
7/64	48-89-1007	10	48-89-1037	2	48-89-1808	2
1/8	48-89-1008	10	48-89-1038	2	48-89-1809	2
9/64	48-89-1009	10	48-89-1039	1	48-89-1811	1
5/32	48-89-1010	10	48-89-1040	1	48-89-1812	1
11/64	48-89-1011	10	48-89-1041	1	48-89-1813	1
3/16	48-89-1012	10	48-89-1042	1	48-89-1814	1
13/64	48-89-1013	10	48-89-1043	1	48-89-1816	1
7/32	48-89-1014	10	48-89-1044	1	48-89-1817	1
15/64	48-89-1015	10	48-89-1045	1	48-89-1818	1
1/4	48-89-1016	10	48-89-1046	1	48-89-1819	1
17/64	48-89-1017	10	48-89-1047	1		
9/32	48-89-1018	10	48-89-1048	1		



- **Titanium Coated Jobbers Length Drill Bits**
Super hard Titanium Nitride surface treatment increases drill life up to 500% over uncoated drill bits. Improved chip ejection and reduced power requirements.

DIA. (INS.)	BLACK & BRONZE (ENVELOPE)	QTY. PER PK.	BLACK & BRONZE (SKIN)	QTY. PER PK.	TITANIUM COATED (SKIN)	QTY. PER PK.
19/64	48-89-1019	10	48-89-1049	1		
5/16	48-89-1020	5	48-89-1050	1	48-89-1824	1
21/64	48-89-1021	5	48-89-1051	1		
11/32	48-89-1022	5	48-89-1052	1		
23/64	48-89-1023	5	48-89-1053	1		
3/8	48-89-1024	5	48-89-1054	1	48-89-1829	1
25/64	48-89-1025	5	48-89-1055	1		
13/32	48-89-1026	5	48-89-1056	1		
27/64	48-89-1027	5	48-89-1057	1		
7/16	48-89-1028	5	48-89-1058	1	48-89-1834	1
29/64	48-89-1029	5	48-89-1059	1		
15/32	48-89-1030	5	48-89-1060	1		
31/64	48-89-1032	5	48-89-1061	1		
1/2	48-89-1033	5	48-89-1062	1	48-89-1839	1

• Sizes have 3/8" shank.

HEAVY-DUTY THUNDERBOLT® SILVER & DEMING DRILL BITS



- **Heavy Duty 118° Split Point For Easy Penetration.**
- **1/2" 3-Milled Flats Shank**
- **Special Flute Geometry**
Adds strength while providing increased chip ejection.

8-PC JOBBERS LENGTH SILVER & DEMING
DRILL BIT SET
48-89-0035 9/16" - 1" by 16ths

DIA. (INS.)	BLACK & BRONZE (SLEEVE)	QTY. PER PK.	DIA. (INS.)	BLACK & BRONZE (SLEEVE)	QTY. PER PK.	DIA. (INS.)	BLACK & BRONZE (SLEEVE)	QTY. PER PK.
17/32	48-89-0531	1	3/4	48-89-0750	1	31/32	48-89-0968	1
9/16	48-89-0562	1	25/32	48-89-0781	1	1	48-89-1000	1
19/32	48-89-0593	1	13/16	48-89-0812	1	1-1/16	48-89-1031	1*
5/8	48-89-0625	1	27/32	48-89-0843	1	1-1/8	48-89-1125	1*
21/32	48-89-0656	1	7/8	48-89-0875	1	1-3/16	48-89-1187	1*
11/16	48-89-0687	1	29/32	48-89-0906	1	1-1/4	48-89-1250	1*
23/32	48-89-0718	1	15/16	48-89-0937	1			

• Diameters above 1" are 118°, Standard Flute.

HEAVY-DUTY THUNDERBOLT® DRILL BIT SETS

SET SIZE	DESCRIPTION	CATALOG NUMBER
29-Pc Thunderbolt Jobbers	1/16" - 1/2" by 64ths	48-89-1080
29-Pc Thunderbolt Jobbers	1/16" - 1/2" by 64ths w/Reduced Shank	48-89-1081
21-Pc Thunderbolt Jobbers	1/16" - 3/8" by 64ths	48-89-1085
15-Pc Thunderbolt Jobbers	1/16" - 1/2" by 32nds	48-89-1090
15-Pc Thunderbolt Jobbers	1/16" - 1/2" by 32nds w/Reduced Shank	48-89-1091
13-Pc Thunderbolt Jobbers	1/16" - 1/4" by 32nds	48-89-1095
13-Pc Thunderbolt Jobbers-Titanium	1/16" - 1/4" by 64ths	48-89-1803
8-Pc Thunderbolt Silver & Deming	9/16" - 1" by 16ths	48-89-0035
13-Pc Thunderbolt Barrel-Case	1/16" - 1/4" by 64ths	48-89-1082
21-Pc Thunderbolt Barrel-Case	1/16" - 3/8" by 64ths	48-89-1086



48-89-1086



48-89-1082



48-89-1803

48-89-1080



HEAVY-DUTY HIGH SPEED STEEL TWIST DRILL BITS

HEAVY-DUTY JOBBERS LENGTH TWIST DRILL BITS

JOBBERS LENGTH CAPABLE OF DRILLING WIDE RANGE OF MATERIALS INCLUDING CAST IRON, STEEL AND STEEL FORGINGS

DIA. (INS.)	CATALOG NUMBER (ENVELOPE)	QTY. PER PK.	CATALOG NUMBER (SKIN CARD)	QTY. PER PK.	DIA. (INS.)	CATALOG NUMBER (ENVELOPE)	QTY. PER PK.	CATALOG NUMBER (SKIN CARD)	QTY. PER PK.
1/16	48-89-0062	12	48-89-1505	2	19/64	48-89-0296	12	48-89-1580	1
5/64	48-89-0078	12	48-89-1510	2	5/16	48-89-0312	6	48-89-1585	1
3/32	48-89-0093	12	48-89-1515	2	21/64	48-89-0328	6	48-89-1590	1
7/64	48-89-0109	12	48-89-1520	2	11/32	48-89-0343	6	48-89-1595	1
1/8	48-89-0125	12	48-89-1525	2	23/64	48-89-0359	6	48-89-1600	1
9/64	48-89-0140	12	48-89-1530	1	3/8	48-89-0375	6	48-89-1605	1
5/32	48-89-0156	12	48-89-1535	1	25/64	48-89-0390	6	48-89-1610	1
11/64	48-89-0171	12	48-89-1540	1	13/32	48-89-0406	6	48-89-1615	1
3/16	48-89-0187	12	48-89-1545	1	27/64	48-89-0421	6	48-89-1620	1
13/64	48-89-0203	12	48-89-1550	1	7/16	48-89-0437	6	48-89-1625	1
7/32	48-89-0218	12	48-89-1555	1	29/64	48-89-0453	6	48-89-1630	1
15/64	48-89-0234	12	48-89-1560	1	15/32	48-89-0468	6	48-89-1635	1
1/4	48-89-0250	12	48-89-1565	1	31/64	48-89-0484	6	48-89-1640	1
17/64	48-89-0265	12	48-89-1570	1	1/2	48-89-0500	6	48-89-1645	1
9/32	48-89-0281	12	48-89-1575	1					



JOBBERS LENGTH TWIST DRILL BIT FEATURES

- Precision Ground Flutes
- Black Oxide Finish
- High Speed Steel Throughout
- 118° Standard Point

HEAVY-DUTY COBALT JOBBERS LENGTH TWIST DRILL BITS

DIA. (INS.)	CATALOG NUMBER (SLEEVE)	QTY. PER PK.	DIA. (INS.)	CATALOG NUMBER (SLEEVE)	QTY. PER PK.	DIA. (INS.)	CATALOG NUMBER (SLEEVE)	QTY. PER PK.	DIA. (INS.)	CATALOG NUMBER (SLEEVE)	QTY. PER PK.
1/16	48-89-1705	2	3/16	48-89-1745	1	5/16	48-89-1785	1	7/16	48-89-1825	1
5/64	48-89-1710	2	13/64	48-89-1750	1	21/64	48-89-1790	1	29/64	48-89-1830	1
3/32	48-89-1715	2	7/32	48-89-1755	1	11/32	48-89-1795	1	15/32	48-89-1835	1
7/64	48-89-1720	2	15/64	48-89-1760	1	23/64	48-89-1800	1	31/64	48-89-1840	1
1/8	48-89-1725	2	1/4	48-89-1765	1	3/8	48-89-1805	1	1/2	48-89-1845	1
9/64	48-89-1730	1	17/64	48-89-1770	1	25/64	48-89-1810	1			
5/32	48-89-1735	1	9/32	48-89-1775	1	13/32	48-89-1815	1			
11/64	48-89-1740	1	19/64	48-89-1780	1	27/64	48-89-1820	1			



COBALT JOBBERS LENGTH TWIST DRILL BIT FEATURES

- Heavy Duty 135° Split Point
For easy starting on hard materials.
- Abrasive & Heat Resistant
- Drill Easily Through Tough Alloys
Such as heat-treated materials, stainless steel, and titanium.

HEAVY-DUTY DOUBLE END TWIST DRILL BITS

DIA (INS)	CAT. NO.	QTY. PER PK.
7/64	48-89-8109	12
1/8	48-89-8125	12
9/64	48-89-8140	12
5/32	48-89-8156	12
3/16	48-89-8187	12
7/32	48-89-8218	12
1/4	48-89-8250	12
No. 11	48-89-8011	12
No. 20	48-89-8020	12
No. 30	48-89-8030	12

DOUBLE END TWIST DRILL SET 48-89-0040

Contains one each of the following bits:
7/64" 48-89-8109, 1/8" 48-89-8125, 9/64" 48-89-8140
5/32" 48-89-8156, 3/16" 48-89-8187, 7/32" 48-89-8218
1/4" 48-89-8250, No. 11 48-89-8011, No. 20 48-89-8020
No. 30 48-89-8030



DOUBLE END TWIST DRILL BIT FEATURES

- Economical Double End Bit
For drilling a wide range of materials including sheet metal, cast malleable iron, metal and wood.
- 135° Split Point
- Lengths Approximately 2" to 2-3/8"

HEAVY-DUTY JOBBERS LENGTH TWIST DRILL BIT SETS

SET SIZE	DESCRIPTION	CAT. NO.
13-Pc Jobbers	1/16 - 1/4 by 64ths	48-89-0030
13-Pc Cobalt	1/16 - 1/4 by 64ths	48-89-0045
15-Pc Jobbers	1/16 - 1/2 by 32nds	48-89-0020
15-Pc Cobalt	1/16 - 1/2 by 32nds	48-89-0025
21-Pc Jobbers	1/16 - 3/8 by 64ths	48-89-0015
29-Pc Jobbers	1/16 - 1/2 by 64ths	48-89-0010
29-Pc Cobalt	1/16 - 1/2 by 64ths	48-89-0050

REPLACEMENT BIT CASE ONLY:

DESCRIPTION	CAT. NO.
8 Piece Sets	48-55-0789
13 Piece Sets	48-55-6075
15 Piece Sets	48-55-6070
21 Piece Sets	48-55-6065
29 Piece Sets	48-55-6060





HEAVY-DUTY DRILL AND SCREWDRIVER ACCESSORIES

HEAVY-DUTY ACCESSORIES AND BIT SETS



SIDE HANDLES

- 49-15-0260** For Magnum® Drills.
- 49-15-0265** 360° Side Handle for New Tactile Grip Drills.
- 49-15-0200** Adjustable side handle for R.A.D.
- 49-15-0151** Threaded side handle for D-handle drills.



STEEL CARRYING CASE WITH TRAY

- 48-55-0711** For Pistol Drills and Screwdrivers. Overall Size 13-1/2" Long, 6" High and 8-3/4" Wide.



SCREW GUIDE KIT

- 48-32-0300** Kit includes Screw Guide, No. 1 Phillips bit, No. 2 Phillips bit, No. 3 Phillips bit, No. 1 Square Recess bit, No. 2 Square Recess bit, 6-8 Spade bit, 8-10 Spade bit and 10-12 Spade bit.



SCREW GUIDE

- 48-32-3020** Screw Guide is a bit-and-screw holder, screw finder and extension, all in one. Includes a No. 2 Phillips bit and a No. 2 Square Drive bit.



7-PC 1/4" HEX SHANK TWIST BIT SET – 118° SPLIT POINT

- 48-89-1920** Contains one each of the following black oxide bits: 1/16" **48-89-1904**, 3/32" **48-89-1906**, 1/8" **48-89-1908**, 5/32" **48-89-1910**, 3/16" **48-89-1912**, 7/32" **48-89-1914**, 1/4" **48-89-1916**.



QUICK CHANGE CHUCK & SCREWDRIVER BIT SET

- 48-30-0105** Includes Quick Change Chuck, No. 1, 2, & 3 Phillips 1/4" hex bits, a 6F-7R, 8F-10R and 10F-12R 1/4" hex bits. Packaged in convenient, reusable vinyl sleeve.



DOUBLE END TWIST DRILL SET

- 48-89-0040** Contains one each of bits: 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, No. 11, No. 20 and No. 30.



7-PIECE SCREWDRIVER & 3-1/2" SLOTTED POWER BIT SET

- 48-30-0102** Includes No. 1, 2, & 3 Phillips 1/4" hex bits, 48-30-2601 (6-7x3-1/2" slotted bit B), 48-30-2626 (8-10x3-1/2" slotted bit), 48-30-2651 (10-12x3-1/2" slotted bit) and 48-32-2050 (1/4" driver with 1/4" hex). For use on cordless driver/drills and power screwdrivers.



3-PIECE 3-1/2" SLOTTED POWER BIT SET

- 48-30-2706** Includes a 48-30-2601 (6-7x3-1/2" slotted bit B), 48-30-2626 (8-10x3-1/2" slotted bit) and 48-30-2651 (10-12x3-1/2" slotted bit). For use on cordless driver/drills and power screwdrivers.



8-PIECE 1/4" HEX DRIVE DRIVER/DRILL BIT SET

- 48-30-0101** Includes a No. 1 Phillips bit, a No. 2 Phillips bit, a 6F-7R slotted bit, a 1/4" socket driver, two 1/8" twist bits, 3/16" twist bit and a 1/4" twist bit. Packaged in convenient, reusable vinyl sleeve.



3-PIECE HEX SOCKET DRIVER SET

- 49-66-3005** Includes a 49-66-3006 (1/4"), 49-66-3016 (5/16") and 49-66-3026 (3/8") hex sockets. Have 1/4" hex shank for use in cordless driver/drills and power screwdrivers.



HEAVY-DUTY WIRE BRUSHES & CARBIDE-TIP MASONRY BITS

HEAVY-DUTY WIRE BRUSHES

1/4" SHANK DIAMETER FOR USE WITH PORTABLE ELECTRIC DRILLS AND DIE GRINDERS



CRIMPED END BRUSHES – CARBON STEEL

For I.D. pipe cleaning, removing hard carbon deposits on piston heads, cylinders, valve seats and recesses. Also for deburring and rubber flash removal.

CATALOG NUMBER	FACE DIA.	WIRE SIZE	MAX. SAFE FREE SPEED
48-52-1000	1/2"	.014	25,000
48-52-1010	3/4"	.014	22,000
48-52-1015	1"	.014	22,000
48-52-1020	1"	.020	22,000

CRIMPED END BRUSHES – STAINLESS STEEL

For I.D. pipe cleaning, removing hard carbon deposits on piston heads, cylinders, valve seats and recesses. Also for deburring and rubber flash removal. Suitable for stainless.

CATALOG NUMBER	FACE DIA.	WIRE SIZE	MAX. SAFE FREE SPEED
48-52-1022	3/4"	.006	22,000
48-52-1025	1"	.006	22,000
48-52-1027	1"	.010	22,000



KNOT END BRUSHES – CARBON STEEL

For heavy burr and scale removal, cleaning rust, castings, paint build up around studs – bolts. Remove heavy carbon in automotive use.

CATALOG NUMBER	FACE DIA.	WIRE SIZE	MAX. SAFE FREE SPEED
48-52-1030	3/4"	.014	22,000
48-52-1035	3/4"	.020	22,000
48-52-1040	1-1/8"	.014	22,000
48-52-1045	1-1/8"	.020	22,000

KNOT END BRUSHES – STAINLESS STEEL

For heavy burr and scale removal, cleaning rust, castings, paint build up around studs – bolts. Remove heavy carbon in automotive use. Suitable for stainless.

CATALOG NUMBER	FACE DIA.	WIRE SIZE	MAX. SAFE FREE SPEED
48-52-1055	1-1/8"	.020	22,000



CUP FLARED, END BRUSH – CARBON STEEL

Concave shape provides efficient side cleaning – eliminates scoring of bottom in bind holes. Efficient external or internal brushing.

CATALOG NUMBER	FACE DIA.	WIRE SIZE	MAX. SAFE FREE SPEED
48-52-1050	2-1/2"	.014	22,000

HEAVY-DUTY CARBIDE-TIP MASONRY BITS

CATALOG NUMBER	DIAMETER	SHANK DIAMETER	LENGTH
48-87-0120	1/8"	1/8"	3"
48-87-0150	5/32"	5/32"	3"
48-87-0170	11/64"	11/64"	3"
48-87-0180	3/16"	3/16"	3"
48-87-0210	7/32"	3/16"	3"
48-87-0250	1/4"	1/4"	4"
48-87-0251 •	1/4"	1/4"	12"
48-87-0253	1/4"	1/4"	6"
48-87-0280	9/32"	1/4"	4"
48-87-0310	5/16"	1/4"	4"
48-87-0370	3/8"	1/4"	4"
48-87-0430	7/16"	1/4"	6"

• Extra length bit



ONE PIECE DESIGN 1/8" – 7/8"



TWO PIECE DESIGN 1" – 1-1/2"

Shank is 1/2" hex with 1/2"-13 thread...nut serves as bit shoulder



EXTRA LENGTH BIT 1/4" 48-87-0251 1/2" 48-87-0502

Narrow lands and fast spiral for rapid dust removal

CATALOG NUMBER	DIAMETER	SHANK DIAMETER	LENGTH
48-87-0500	1/2"	3/8"	6"
48-87-0502 •	1/2"	3/8"	18"
48-87-0560	9/16"	3/8"	6"
48-87-0620	5/8"	1/2"	6"
48-87-0680	11/16"	1/2"	6"
48-87-0750	3/4"	1/2"	6"
48-87-0870	7/8"	1/2"	6"
48-87-1000	1"	1/2"	12"
48-87-1120	1-1/8"	1/2"	12"
48-87-1250	1-1/4"	1/2"	12"
48-87-1500	1-1/2"	1/2"	12"

ALLOY STEEL SHANK FOR STRENGTH AND DURABILITY. SHALLOW PRECISION MACHINED OVAL FLUTES PREVENTS DUST PACKING. CARBIDE TIP...THE HARDEST METAL MADE...BRAZED TO ALLOY STEEL BODIES.

- Drills Masonry, Brick, Stone, Plaster, Slate
- Wide Spiral Flutes Lift Dust Out
- Bit Cuts At Maximum Efficiency Without Clogging
- Produces Clean, Accurately Sized Holes Fast
- Carbide Tip Resists Dulling
- Packaged In Durable Vinyl Sleeves



5 PIECE MASONRY BIT SET

48-87-0010 Includes the following bits:

CAT. NO.	DIA.
48-87-0120	1/8"
48-87-0180	3/16"
48-87-0250	1/4"
48-87-0310	5/16"
48-87-0370	3/8"



HEAVY-DUTY SHARP-FIRE® SCREW-SHOOTER SYSTEMS



1-1/4" – 3"

3X FASTER THAN MANUAL FEED SCREWDRIVERS!

6708-21 (KIT)

- INCLUDES MAGAZINE, EXTENSION KIT AND CARRYING CASE



1" – 2-1/4"

6706-20

- INCLUDES MAGAZINE



1" – 1-5/8"

6707-20

- INCLUDES MAGAZINE



Screws feed smoothly into position.



Screw alignment is positive – no missed hits.



Positive lock for no slip adjustment. Clear marking for correct screw length adjustment.

POWER UNIT FEATURES

- Powerful 6.5 Amp Milwaukee Motor
- Variable Speed Control
- Lightweight Design
- Quiet Snap-Action Clutch
- Improved Guidance System For Less Run-Out
- All Metal Gear Case and Diaphragm
- Ergonomic Tactile Grip On Handle And Motor Housing
- New Switch With Two-Finger Trigger
- Removable Belt Clip With Integral Bit Storage
- Modular Brush Card Design
- All Ball And Roller Bearings

SHARP-FIRE® SYSTEM FEATURES

- Ideal For Decking, Flooring, Roofing And Fencing
- Consistency In Fastening/Connection
- Durable, Heavy-Duty Magazine And Screwdriver
- Rapid Strip Loading
- Positive Screw Depth Adjustment
- Quik-Lok® Cord Sets
Quick detachment from tool for tangle free carrying and storage. Instant field repair.



Extended reach for operating comfort.

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	NO LOAD RPM	SCREW CAPACITIES*	LENGTH	NET WGT.** (LBS.)	SHIP WGT. (LBS.)
6708-21	120	6.5	0-2500	#6 and #8, 1-1/4" to 3" Sharp and Self Drilling Screws	38-1/2"	6.7	16.7
6707-20	120	6.5	0-4000	#6, 1" to 1-5/8" Sharp Point	17"	4.4	6.4
6706-20	120	6.5	0-2500	#6 and #8, 1" to 2-1/4" Sharp and Self Drilling Screws	17-1/2"	4.7	6.6
6703-20	120	6.5	0-4000	N/A	N/A	3.0	4.2
6702-20	120	6.5	0-2500	N/A	N/A	3.2	4.4

STANDARD EQUIPMENT: FOR 6708-21 – Includes 6702-20 with 48-05-1005 Magazine, 14-38-0685 Screw Guide, 14-34-0506 Side Handle, 14-38-0677 Extension and 48-55-0320 Carrying Case. FOR 6707-20 – Includes 6703-20 with 48-05-1000 Magazine. FOR 6706-20 – Includes 6702-20 with 48-05-1000 Magazine. FOR 6703-20 – Power unit only. FOR 6702-20 – Power unit only.

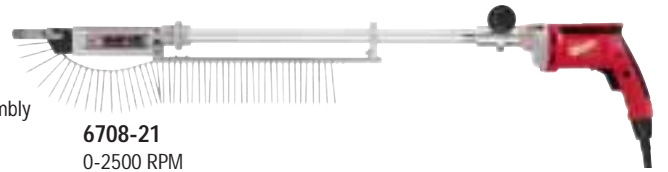
* Starting With Serial Break B. ** Weight Includes Cord.



HEAVY-DUTY SHARP-FIRE® SYSTEM SCREWS

SYSTEM COMPONENTS

Power Unit (Included)	6702-20	To convert extended unit to non-extended use: <ul style="list-style-type: none"> • Add 14-46-0906 Two Bend Belt Guide Assembly • Add 43-76-0296 Adapter Assembly • Add 43-72-0010 Bit Holder
Extension Tube Assy. (Included)	14-38-0677	
Screw Guide Assy. (Included)	14-38-0685	
Side Handle Assy. (Included)	14-34-0506	
Magazine Only (Included)	48-05-1005	



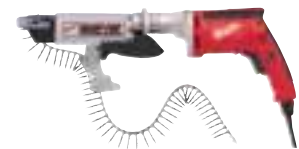
6708-21
0-2500 RPM
1-1/4" – 3"

CATALOG #	LENGTH	DRIVE	HEAD TYPE	BODY CORE DIAMETER	THREAD	POINT	FINISH	PRIMARY APPLICATIONS
Drywall Screws								
48-30-3000	1-1/4"	#2 Phillips	Bugle	#6	Coarse	Sharp	Black Phosphate	Single layer of drywall to wood studs.
48-30-3005	1-5/8"	#2 Phillips	Bugle	#6	Coarse	Sharp	Black Phosphate	Double layer of drywall to wood studs.
48-30-3010	1-1/4"	#2 Phillips	Bugle	#6	Fine	Sharp	Black Phosphate	Single layer drywall to light gauge (20-25 gauge) steel studs.
48-30-3015	1-5/8"	#2 Phillips	Bugle	#6	Fine	Sharp	Black Phosphate	Double layer drywall to light gauge (20-25 gauge) steel studs.
48-30-3020	1-1/4"	#2 Phillips	Bugle	#6	Fine	Self-Drill	Clear Zinc	Single layer drywall to heavy gauge (12-20 gauge) steel studs.
48-30-3025	1-5/8"	#2 Phillips	Bugle	#6	Fine	Self-Drill	Clear Zinc	Double layer drywall to heavy gauge (12-20 gauge) steel studs.
Underlayment Screws								
48-30-3026	1-1/4"	#2 Phillips	Small Flat	#7	Hi-Lo	Sharp	Gray Phosphate	Underlayment to wood.
Fiber Cement Screws								
48-30-3050	1-1/4"	#2 Phillips	Modified Wafer	#8	Coarse	Self-Drill	Copperhead™	Fiber Cement Board to 16-20 gauge steel, rust resistant.
48-30-3051	1-5/8"	#2 Phillips	Modified Wafer	#8	Coarse	Self-Drill	Copperhead™	Fiber Cement Board to 16-20 gauge steel, rust resistant.
48-30-3052	1-1/4"	#2 Phillips	Modified Wafer	#8	Coarse	Sharp	Copperhead™	Fiber Cement Board to wood (ideal for tile backer).
48-30-3053	1-5/8"	#2 Phillips	Modified Wafer	#8	Coarse	Self-Drill	Clear Zinc	Fiber Cement Board to 16-20 gauge steel, not rust resistant.
Flooring Screws								
48-30-3030	1-3/4"	#2 Square	Flat	#8	Coarse	Sharp	Yellow Zinc*	Subflooring.
48-30-3031	1-1/2"	#2 Square	Flat	#8	Double 14tpi	Piercing Point	Clear Zinc	Wood to steel - 3/4" plywood or OSB to 16 gauge steel.
48-30-3032	1-3/4"	#2 Square	Flat	#8	Coarse	Fluted-Point	Yellow Zinc*	High Density OSB (Advantec) or Particle Board to wood.
48-30-3033	2"	#2 Square	Flat	#8	Coarse	Piercing Point	Clear Zinc	Wood to steel - 1" to 1-1/2" wood to 16 gauge steel.
48-30-3035	2"	#2 Square	Flat	#8	Coarse	Sharp	Yellow Zinc*	Subflooring.
48-30-3036	2-1/2"	#2 Square	Flat	#8	Coarse	Sharp	Yellow Zinc*	Subflooring - Wood to wood, manufacturing, crating.
48-30-3037	3"	#2 Square	Flat	#8	Coarse	Sharp	Yellow Zinc*	Subflooring - Wall plates, wood to wood, manufacturing, crating.
48-30-3038	2-1/2"	#2 Square	Flat	#8	Coarse	Fluted-Point	Yellow Zinc*	Subflooring - Wall plates, wood to wood, manufacturing, crating, some roofing tile.
Decking Screws								
48-30-3040	2"	#2 Square	Flat	#8	Coarse	Sharp	Copperhead™**	Outdoor, treated lumber decks constructed with 5/4" top boards.
48-30-3041	2-1/2"	#2 Square	Flat	#8	Coarse	Sharp	Copperhead™**	Outdoor, treated lumber deck constructed with 2x top boards, outdoor playground equipment constructed with treated lumber, outdoor furniture constructed with treated lumber, roofing tile.
48-30-3042	2-1/2"	#2 Square	Flat	#8	Coarse	Fluted-Point	Copperhead™**	Reduced Splitting. Outdoor, treated lumber deck constructed with 2x top boards, outdoor playground equipment constructed with treated lumber, outdoor furniture constructed with treated lumber, roofing tile.
48-30-3043	3"	#2 Square	Flat	#8	Coarse	Fluted-Point	Copperhead™**	Reduced Splitting. Outdoor, treated lumber deck constructed with 2x top boards, outdoor playground equipment constructed with treated lumber, outdoor furniture constructed with treated lumber, roofing tile.
48-30-3044	2-1/2"	#2 Square	Flat	#8	Coarse	Fluted-Point	302 Stnls Steel*	Same as above - StainlessSteel Ultimate in corrosion resistance.
48-30-3045	2"	#2 Square	Flat	#8	Coarse	Fluted-Point	302 Stnls Steel*	Same as above - StainlessSteel Ultimate in corrosion resistance.
48-30-3046	3"	#2 Square	Flat	#9	Coarse	Fluted-Point	302 Stnls Steel*	Same as above - StainlessSteel Ultimate in corrosion resistance.

*With Wax

SYSTEM COMPONENTS

Power Unit (Included)	6703-20	Screw Guide Assembly	14-38-0685	
Magazine Only (Included)	48-05-1000		Side Handle Assembly	14-34-0506
Extension Tube Assembly	14-38-0677			



6707-20
0-4000 RPM
1" – 1-5/8"

CATALOG #	LENGTH	DRIVE	HEAD TYPE	BODY CORE DIAMETER	THREAD	POINT	FINISH	PRIMARY APPLICATIONS
Drywall Screws								
48-30-3000	1-1/4"	#2 Phillips	Bugle	#6	Coarse	Sharp	Black Phosphate	Single layer of drywall to wood studs.
48-30-3005	1-5/8"	#2 Phillips	Bugle	#6	Coarse	Sharp	Black Phosphate	Double layer of drywall to wood studs.
48-30-3010	1-1/4"	#2 Phillips	Bugle	#6	Fine	Sharp	Black Phosphate	Single layer drywall to light gauge (20-25 gauge) steel studs.
48-30-3015	1-5/8"	#2 Phillips	Bugle	#6	Fine	Sharp	Black Phosphate	Double layer drywall to light gauge (20-25 gauge) steel studs.
48-30-3020	1-1/4"	#2 Phillips	Bugle	#6	Fine	Self-Drill	Clear Zinc	Single layer drywall to heavy gauge (12-20 gauge) steel studs.
48-30-3025	1-5/8"	#2 Phillips	Bugle	#6	Fine	Self-Drill	Clear Zinc	Double layer drywall to heavy gauge (12-20 gauge) steel studs.
Underlayment Screws								
48-30-3026	1-1/4"	#2 Phillips	Small Flat	#7	Hi-Lo	Sharp	Gray Phosphate	Underlayment to wood.



HEAVY-DUTY SHARP-FIRE® SYSTEM SCREWS AND ACCESSORIES

SYSTEM COMPONENTS

Power Unit (Included)	6702-20	Screw Guide Assembly	14-38-0685
Magazine Only (Included)	48-05-1000	Side Handle Assembly	14-34-0506
Extension Tube Assembly	14-38-0677		

6706-20
0-2500 RPM
1" - 2-1/4"



CATALOG #	LENGTH	DRIVE	BODY CORE HEAD TYPE	DIAMETER	THREAD	POINT	FINISH	PRIMARY APPLICATIONS
Drywall Screws								
48-30-3000	1-1/4"	#2 Phillips	Bugle	#6	Coarse	Sharp	Black Phosphate	Single layer of drywall to wood studs.
48-30-3005	1-5/8"	#2 Phillips	Bugle	#6	Coarse	Sharp	Black Phosphate	Double layer of drywall to wood studs.
48-30-3010	1-1/4"	#2 Phillips	Bugle	#6	Fine	Sharp	Black Phosphate	Single layer drywall to light gauge (20-25 gauge) steel studs.
48-30-3015	1-5/8"	#2 Phillips	Bugle	#6	Fine	Sharp	Black Phosphate	Double layer drywall to light gauge (20-25 gauge) steel studs.
48-30-3020	1-1/4"	#2 Phillips	Bugle	#6	Fine	Self-Drill	Clear Zinc	Single layer drywall to heavy gauge (12-20 gauge) steel studs.
48-30-3025	1-5/8"	#2 Phillips	Bugle	#6	Fine	Self-Drill	Clear Zinc	Double layer drywall to heavy gauge (12-20 gauge) steel studs.
Underlayment Screws								
48-30-3026	1-1/4"	#2 Phillips	Small Flat	#7	Hi-Lo	Sharp	Gray Phosphate	Underlayment to wood.
Flooring Screws								
48-30-3030	1-3/4"	#2 Square	Flat	#8	Coarse	Sharp	Yellow Zinc*	Subflooring.
48-30-3031	1-1/2"	#2 Square	Flat	#8	Double 14tpi	Piercing Point	Clear Zinc	Wood to steel - 3/4" plywood or OSB to 16 gauge steel.
48-30-3032	1-3/4"	#2 Square	Flat	#8	Coarse	Fluted-Point	Yellow Zinc*	High Density OSB (Advantec) or Particle Board to wood.
48-30-3033	2"	#2 Square	Flat	#8	Coarse	Piercing Point	Clear Zinc	Wood to steel - 1" to 1-1/2" wood to 16 gauge steel.
48-30-3035	2"	#2 Square	Flat	#8	Coarse	Sharp	Yellow Zinc*	Subflooring.
Decking Screws								
48-30-3040	2"	#2 Square	Flat	#8	Coarse	Sharp	Copperhead™**	Outdoor, treated lumber decks constructed with 5/4" top boards.
Fiber Cement Screws								
48-30-3050	1-1/4"	#2 Phillips	Modified Wafer	#8	Coarse	Self-Drill	Copperhead™	Fiber Cement Board to 16-20 gauge steel, rust resistant.
48-30-3051	1-5/8"	#2 Phillips	Modified Wafer	#8	Coarse	Self-Drill	Copperhead™	Fiber Cement Board to 16-20 gauge steel, rust resistant.
48-30-3052	1-1/4"	#2 Phillips	Modified Wafer	#8	Coarse	Sharp	Copperhead™	Fiber Cement Board to wood (ideal for tile backer).
48-30-3053	1-5/8"	#2 Phillips	Modified Wafer	#8	Coarse	Self-Drill	Clear Zinc	Fiber Cement Board to 16-20 gauge steel, not rust resistant

*With Wax

ACCESSORIES



CARRYING CASE

48-55-0320 Standard equipment with 6708-21.

SHARP-FIRE MAGAZINE ATTACHMENT

48-05-1000 Includes magazine, bit holder, square drive, phillips bit, wrenches and adaptor.

48-05-1005 Includes magazine, square drive bit, and phillips bit.



#2 SQUARE DRIVE BIT

48-30-1526 120 mm used with 48-05-1000.
48-30-1527 140 mm used with 48-05-1005.



#2 PHILLIPS DRIVE BIT

48-30-1521 120 mm used with 48-05-1000.
48-30-1528 140 mm used with 48-05-1005.



3-WIRE 8' QUIK-LOK® CORD
48-76-4008 5-15P Standard with all models.

3-WIRE 25' QUIK-LOK® CORD
48-76-4025 5-15P Optional.



**50 SCREWS PER STRIP.
1,000 SCREWS PER BOX.**



SCREW COATING DESCRIPTIONS

Screw Coating
BP = Black Phosphate
GP = Gray Phosphate
CZ = Clear Zinc
YZ = Yellow Zinc
CH = Copper Head
SS302 = 302 Stainless Steel

All flooring and decking screws are waxed for reduced torque and faster fastening.

SCREW PACKAGING DESCRIPTIONS

1,000 Screws per Box
Case Quantities Skid Quantities
Screw Lengths under 2" (6 Boxes per case)40 Cases per Skid (240M screws per skid)
Screw Lengths between 2" and 2-1/2"
(6 Boxes per case)32 Cases per Skid (192M screws per skid)
Screw Lengths 3" (6 Boxes per case)24 Cases per Skid (144M screws per skid)



HEAVY-DUTY GENERAL PURPOSE SCREWDRIVERS

6740-20

• IDEAL FOR DECKING/ DRYWALL/ FRAMING



IMPROVED
ERGONOMICS,
SOFT-GRIP

6790-20

• IDEAL FOR DRIVING
SELF-DRILLING/TAPPING
TEKS® FASTENERS

TEKS Registered Trademark of Illinois Tool Works, Inc.



6791-21 (REMODELER'S KIT)

• INCLUDES 2 DEPTH LOCATOR
ASSEMBLIES, #2 DRYWALL BIT TIP,
MAGNETIC BIT TIP HOLDER, 3-PIECE
SLOTTED BIT SET AND 3-PIECE HEX
SOCKET DRIVER SET



- Powerful 6.5 Amp Milwaukee Motor
- Variable Speed Control, 0-2500 RPM
- Lightweight Design
- Quiet Snap-Action Clutch
- Patented Locator Design Positively Maintains Setting When Removed From Tool
- Improved Guidance System For Less Run-Out
- All Metal Gear Case and Diaphragm
- Ergonomic Tactile Grip On Handle And Motor Housing
- New Switch With Two-Finger Trigger
- Removable Belt Clip With Integral Bit Storage
- Modular Brush Card Design
- All Ball And Roller Bearings

EXCLUSIVE 6790-20 AND 6740-20 FEATURES:

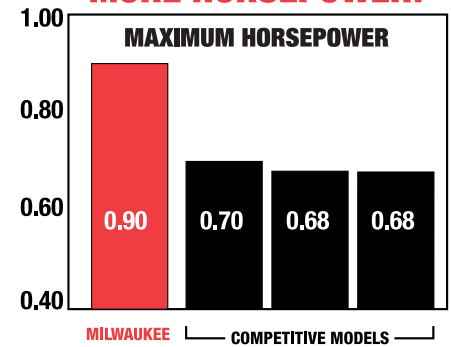
- Ramp-Off Depth Locator *
- 10' 2-Wire Rubber Cord

EXCLUSIVE 6791-21 FEATURES:

- 2 Ramp-Off Depth Locators* For Drywall And Self-Drill Fasteners
- 10' 2-Wire Quik-Lok® Cord

* Patent Pending

MORE HORSEPOWER!



ACCESSORIES

HEX SOCKET EXTENSION MAGNETIC

49-66-3005 Set includes one each of:
49-66-3006 1/4" Magnetic Socket.
49-66-3016 5/16" Magnetic Socket.
49-66-3026 3/8" Magnetic Socket.

3-PIECE 3-1/2" SLOTTED POWER BIT SET

48-30-2706 Includes a 48-30-2601 (6-7x3-1/2" slotted bit B), 48-30-2626 (8-10x3-1/2" slotted bit) and 48-30-2651 (10-12x3-1/2" slotted bit). For use on cordless driver/drills and power screwdrivers.

STEEL CARRYING CASE

48-55-0711 For Pistol Drills and Screwdrivers. Overall size 13-1/2" long, 6" high and 8-3/4" wide.

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	NO LOAD RPM	BIT SHANK SIZE	SPINDLE OFFSET	LENGTH	NET WGT.* LBS.	SHIP. WGT. LBS.
6740-20	120	6.5	0-2500	1/4" HEX	.92"	13-1/8"	3.7	4.5
6790-20	120	6.5	0-2500	1/4" HEX	.92"	12-1/8"	3.7	4.5
6791-21	120	6.5	0-2500	1/4" HEX	.92"	12-1/8"	3.7	11.7

STANDARD EQUIPMENT FOR 6740-20 – 48-32-1040 #2 Drywall Bit Tip, 48-32-3065 Magnetic Bit Tip Holder, 42-70-5280 Belt Clip, 49-26-1036 Drywall Locator Assembly. 6790-20 – 49-66-3016 5/16" Hex Socket Driver, 42-70-5280 Belt Clip, 49-26-1082 Self Drill Fastener Depth Locator Assembly. 6791-21 – 42-70-5280 Belt Clip, 49-26-1036 Drywall Depth Locator Assembly, 49-26-1082 Self Drill Fastener Depth Locator Assembly, 48-32-1040 #2 Drywall Bit Tip, 48-32-3070 Magnetic Bit Tip Holder, 48-30-2706 3-Piece Slotted Bit Set, 49-66-3005 3-Piece Hex Socket Driver Set, 48-55-0711 Steel Carrying Case with Tray And 10' 2-Wire Quik-Lok Cord 48-76-5010.

* Weight Includes cord.



HEAVY-DUTY DRYWALL SCREWDRIVER



6742-20

- 10' 2-WIRE RUBBER CORD
- INCLUDES #2 DRYWALL BIT TIP AND MAGNETIC BIT TIP HOLDER



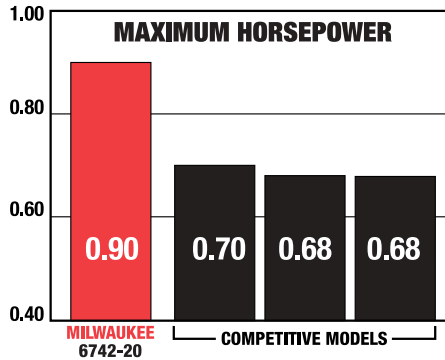
IMPROVED ERGONOMICS, SOFT-GRIP

BEST POWER TO WEIGHT RATIO

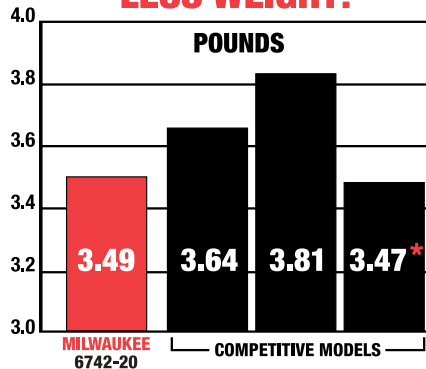
- Powerful 6.5 Amp Milwaukee Motor
- Variable Speed Control, 0-4000 RPM
- Lightweight Design
- Quiet Snap-Action Clutch
- Ramp-Off Depth Locator *
- Patented Locator Design Positively Maintains Setting When Removed From Tool
- Improved Guidance System For Less Run-Out
- All Metal Gear Case and Diaphragm
- Ergonomic Tactile Grip On Handle And Motor Housing
- New Switch With Two-Finger Trigger
- Removable Belt Clip With Integral Bit Storage
- Modular Brush Card Design
- All Ball And Roller Bearings

* Patent Pending

MORE HORSEPOWER!



LESS WEIGHT!



SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	NO LOAD RPM	BIT SHANK SIZE	SPINDLE OFFSET	LENGTH	NET WGT.* LBS.	SHIP. WGT. LBS.
6742-20	120	6.5	0-4000	1/4" HEX	.92"	12-3/4"	3.5	4.1

STANDARD EQUIPMENT FOR 6742-20 – 48-32-1040 #2 Drywall Bit Tip, 48-32-3065 Magnetic Bit Tip Holder, 42-70-5280 Belt Clip, 49-26-1036 Drywall Locator Assembly.

* Weight Includes cord.

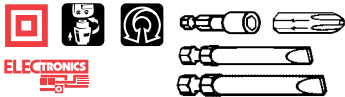
* Plastic Gear Case



HEAVY-DUTY ADJUSTABLE CLUTCH SCREWDRIVERS

6580-20

- INCLUDES 1/4" NON-MAGNETIC BIT TIP HOLDER, #2 PHILLIPS BIT TIP, 6-7 3-1/2" SLOTTED BIT AND 10-12 3-1/2" SLOTTED BIT



**IMPROVED
ERGONOMICS,
SOFT-GRIP**



SUPERIOR COMFORT AND BALANCE

- Powerful 6.5 Amp Milwaukee Motor
 - Variable Speed Control
 - Lightweight Design—Only 3.6 Lbs
 - Avoid Stripped Screws With Controlled Torque
 - All Metal Gear Case and Diaphragm
 - Ergonomic Tactile Grip On Handle And Motor Housing
 - New Switch With Two-Finger Trigger
 - Quick Change Bit Retention Mechanism
 - Removable Belt Clip With Integral Bit Storage
 - Modular Brush Card Design
 - All Ball And Roller Bearings
 - 10' 2-Wire Quik-Lok® Cord
- Quick detachment from tool for tangle free carrying and storage. Instant field repair.



EXCLUSIVE 6580-20 FEATURES

- Multi-Position Torque Sensitive Clutch - 10 – 140 In.-Lbs.

EXCLUSIVE 6581-20 FEATURES

- Multi-Position Torque Sensitive Clutch - 10 – 110 In.-Lbs.

6581-20

- INCLUDES 5/16" MAGNETIC HEX SOCKET EXTENSION



**6.5 AMP
MOTOR**



SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	NO LOAD RPM	BIT SHANK SIZE	SPINDLE OFFSET	LENGTH	NET WGT.* LBS.	SHIP. WGT. LBS.
6580-20	120	6.5	0-1200	1/4" HEX	.92"	12-3/4	3.6	4.8
6581-20	120	6.5	0-2500	1/4" HEX	.92"	12-3/4	3.6	4.8

STANDARD EQUIPMENT 6580-20 – 48-32-3050 1/4" Bit Tip Holder, Non-Magnetic, 48-32-1050 #2 Phillips Bit Tip, 48-30-2601 6-7 3-1/2" Slotted Bit, 48-30-2651 10-12 3-1/2" Slotted Bit, 42-70-5280 Belt Clip, 48-76-5010 10' 2-wire Quik-Lok Cord. 6581-20 – 42-70-5280 Belt Clip, 48-76-5010 10' 2-wire Quik-Lok Cord, 49-66-3016 5/16" Hex Socket Extension.

* Weight Includes cord.



HEAVY-DUTY SCREWDRIVER ACCESSORIES

LOCK PREVENT BUTTON

31-53-0205 For Pistol Drills and Screwdrivers.

SCREWDRIVER BIT SET

48-30-0200

Includes 4 Phillips, 5 slotted, 5 hex, 4 square recess, 6 Torx®, 2 Pozidriv® bits, 1/4" adapter, magnetic bit holder and 1/4" hex driver.



HAND SCREWDRIVER

48-32-1600



FOR MODELS 6791-21 & 6790-20

FOR SELF DRILLING FASTENERS

Self Drilling Fastener Locator
49-26-1082

Magnetic Socket	Hex Size
49-66-3006	1/4"
49-66-3016	5/16"
49-66-3026	3/8"

FOR DRYWALL, PHILLIPS SCREWS, TORX SCREWS, FREARSON SCREWS, ROBERTSON SCREWS.

Self Drill Fastener Locator Assembly
49-26-1036

Stepped Magnetic Bit Holder
48-32-3070

Insert Bits

1/4" Hex Magnetic Socket
49-66-0800

FOR MODELS 6740-20, 6742-20 & 6743-20

FOR DRYWALL, PHILLIPS SCREWS, TORX SCREWS, FREARSON SCREWS, ROBERTSON SCREWS.

Self Drill Fastener Locator Assembly
49-26-1036

Magnetic Bit Holder 48-32-3025*

Magnetic Bit Holder 48-32-3065

Stepped Magnetic Bit Holder 48-32-3070

Insert Bits

1/4" Hex Magnetic Socket
49-66-0800

"O" Ring Only
48-32-3045

Cap Only
48-32-3040

* Replacement parts of the 48-32-3025 Holder.

BIT HOLDERS • SOCKETS • EXTENSIONS • BITS AND FINDERS

DESCRIPTION	SIZE	CATALOG NO.
3" Magnetic Bit Holder w/ cap		48-32-3025
3" Magnetic Bit Tip Holder Stainless Steel		48-32-3070
3" Magnetic Bit Holder		48-32-3065
2" Non-Mag. Bit Holder		48-32-3050
Magnetic Bit Holder		48-32-3055
2" x 1/4" Sq. Socket Driver		48-32-2050
4" x 1/4" Sq. Socket Driver		48-32-2055
1/4" Socket Adapter		48-32-2060
Hex Sockets Only Magnetic	1/4" 5/16" 3/8"	49-66-3000 49-66-3010 49-66-3020
Magnetic Insert Socket	1/4"	49-66-0800
1 Pc. Hex Socket Ext. Non-Magnetic	5/16"	49-66-3015
1 Pc. Hex Socket Extension Magnetic	1/4" 5/16" 3/8"	49-66-3006 49-66-3016 49-66-3026
3-1/2" Long Flat Power Bit	6F-8R 8F-10R 10F-12R 12F-14R	48-30-2601 48-30-2626 48-30-2651 48-30-2676

POWER BITS FOR 1/4" DRIVE SYSTEMS

DESCRIPTION	SCREW SIZE	CATALOG NO.
1-15/16" Long Bits for Slotted Head Screws	6F-7R 8F-10R 10F-12R 12F-14R	48-30-0500 48-30-0505 48-30-0510 48-30-0515
2" Long Phillips Bit	#1 #2 #3	48-30-1510 48-30-1520 48-30-1500
3" Long Phillips Bit	#2	48-30-1525

PHILLIPS INSERT BITS

- 48-32-1033 10 Pack of #1 Phillips Insert Bits.
- 48-32-1043 10 Pack of #2 Phillips Reduced Shank Insert Bits.
- 48-32-1053 10 Pack of #2 Phillips Insert Bits.
- 48-32-1073 10 Pack of #3 Phillips Insert Bits.

SQUARE DRIVE INSERT BITS

- 48-32-1211 10 Pack of #2 Square Drive Insert Bits.



INSERT BITS

DESCRIPTION	SIZE	CATALOG NO.
(REGULAR)	#0 #1 #1 (QTY. 10) #1 (QTY. 25) #1 (QTY. 50)	48-32-1020 48-32-1030 48-32-1033 48-32-1031 48-32-1032
(REDUCED)	#2 #2 (QTY. 10) #2 (QTY. 25) #2 (QTY. 50)	48-32-1040 48-32-1043 48-32-1041 48-32-1042
(REGULAR)	#2 #2 (QTY. 10) #2 (QTY. 25) #2 (QTY. 50)	48-32-1050 48-32-1053 48-32-1051 48-32-1052
(REGULAR)	#3 #3 (QTY. 10)	48-32-1070 48-32-1073
Phillips 3-1/2" (90 mm) Long	#2	48-32-1060
Slotted Screw Insert Bits	0F-1R 3F-4R 6F-8R 5F-6R 8F-10R 10F-12R 12F-14R	48-32-1300 48-32-1320 48-32-1330 48-32-1340 48-32-1360 48-32-1370 48-32-1380
Allen Head	5/64" 3/32" 7/64" 1/8" 9/64"	48-32-1400 48-32-1420 48-32-1440 48-32-1460 48-32-1480
Torx®	T10 T15 T20 T25 T30 T40	48-32-1510 48-32-1515 48-32-1520 48-32-1525 48-32-1530 48-32-1540
Torx®	T10 T15 T20 T25 T30 T40	48-32-1510 48-32-1515 48-32-1520 48-32-1525 48-32-1530 48-32-1540
Pozidriv®	#1 #2	48-32-1120 48-32-1125
Frearson 1-1/8" Long (Reed & Prince)	#1 #2	48-32-1110 48-32-1115
Square Drive (Robertson)	#0 #1 #2 #2 (QTY. 10) #3	48-32-1201 48-32-1205 48-32-1210 48-32-1211 48-32-1215

Reduced Diameter Insert Bits Ideal for Drywall.

7-PIECE SCREWDRIVER AND 3-1/2" SLOTTED POWER BIT SET

48-30-0102 Includes No. 1, 2, & 3 Phillips 1/4" hex bits, 48-30-2601 (6-7x3-1/2" slotted bit B), 48-30-2626 (8-10x3-1/2" slotted bit) and 48-30-2651 (10-12x3-1/2" slotted bit). For use on cordless driver/drills and power screwdrivers.





HEAVY-DUTY 1/2" SQUARE DRIVE IMPACT WRENCHES

9070-20

• PIN DETENT SOCKET RETENTION



**300
FT.-LBS.
OF TORQUE**

HIGH TORQUE! FULL POWER IN REVERSE!

- New Mechanism Delivers High Torque And Smooth Operation
- Lightweight, Only 6 lbs.
- Metal Gear And Transmission Housings
- 7.0 Amp Milwaukee Built Motor
- Soft Grip Handle
- Ergonomically Balanced Center Grip

EXCLUSIVE 9070-20 FEATURES:

- Pin Socket Retainer (Flat End) Holds Sockets And Adapters More Securely
- Forward/Reverse Rocker Switch (AC/DC) Is Ideal When Frequent Reversing Is Necessary

EXCLUSIVE 9071-20 FEATURES:

- "Hog" Ring (Friction Ring) Socket Retainer For Frequent Socket Changes
- Forward/Reverse Rocker Switch (AC/DC) Is Ideal When Frequent Reversing Is Necessary

EXCLUSIVE 9072-20 AND 9072-22 FEATURES:

- Pin Socket Retainer (Flat End) Holds Sockets And Adapters More Securely
- Variable Speed Switch Offers Added Control For Drilling In Wood Or Driving Lag Bolts
- Trigger Speed Control Switch Includes Speed Limiting Dial For Setting Desired Speed/Torque
- Reversing Lever

9071-20

• FRICTION RING SOCKET RETENTION



**300
FT.-LBS.
OF TORQUE**

9072-20

• 10' QUIK-LOK CORD



**300
FT.-LBS.
OF TORQUE**

9072-22 (KIT)

• 10' QUIK-LOK CORD
• INCLUDES 6 SOCKETS
• PIN DETENT SOCKET RETENTION



**AVAILABLE
CORDLESS**

SEE PAGE 19 FOR
18V IMPACT WRENCH

ACCESSORIES



IMPACT RESISTANT CARRYING CASE

48-55-9075

Standard equipment for 9072-22 Kit. Also holds 9070-20, 9071-20, 9075-20 & 9079-20.

SPECIFICATIONS

CAT. NO.	VOLTS	SOCKET RETENTION	AMPS	IMPACTS PER MINUTE	NO LOAD RPM	TORQUE FT./LBS.	LENGTH INCHES	NET WGT. LBS.	SHIP WGT. LBS.
9070-20	120 AC/DC	PIN (FLAT END)	7.0	2600	1800	300	11-5/8	6.0	7.6
9071-20	120 AC/DC	FRICTION RING	7.0	2600	1800	300	11-5/8	6.0	7.6
9072-20	120 AC ONLY	PIN (FLAT END)	7.0	1000-2600	600-1800	100-300	11-5/8	6.0	7.6
9072-22	120 AC ONLY	PIN (FLAT END)	7.0	1000-2600	600-1800	100-300	11-5/8	6.0	12.7

STANDARD EQUIPMENT: FOR 9070-20, 9071-20, – Tool Only and 8' 2-Wire Fixed Cord. 9072-20 – Tool and 10' 2-Wire Quik-Lok Cord. FOR 9072-22 – Includes Tool, Six Socket Set (1/2", 9/16", 5/8", 11/16", 3/4", 13/16"), 10' 2-Wire Quik-Lok Cord 48-76-5010, and Impact Resistant Carrying Case 48-55-9075.



HEAVY-DUTY 3/4" AND 7/16" IMPACT WRENCHES

9075-20

- 3/4" SQUARE DRIVE WITH FRICTION RING AND THROUGH HOLE SOCKET RETENTION



**380
FT.-LBS.
OF TORQUE!**

**AVAILABLE
CORDLESS**

SEE PAGE 19 FOR
18V IMPACT WRENCH

9092-20

- 7/16" HEX QUICK-CHANGE DUAL BALL BIT HOLDER
- 10' QUIK-LOK CORD



**315
FT.-LBS.
OF TORQUE!**

FULL POWER IN REVERSE BEST POWER TO WEIGHT RATIO

- New Mechanism Delivers Higher Torque And Smoother Operation
- Metal Housing
- 7.0 Amp Milwaukee Built Motor
- Soft Grip Handle
- Ergonomically Balanced Center Grip

9075-20 FEATURES:

- 3/4" Square Drive With Friction Ring and Through Hole Rocket Retention
- Forward/Reverse Rocker Switch (AC/DC) Is Ideal When Frequent Reversing Is Necessary

EXCLUSIVE 9092-20 FEATURES:

- 7/16" Hex Quick-Change Dual Ball Bit Holder
- Forward/Reverse Lever
- Hanger Bracket w/Solid Steel Ring for hanging on belts, climbing pegs and for lifting with a rope and clasp.
- Variable Speed Trigger with Speed Setting Dial



SPECIFICATIONS

CAT. NO.	VOLTS	AMPS	IMPACTS PER MINUTE	NO LOAD RPM	TORQUE FT.-LBS.	LENGTH INCHES	NET WGT. LBS.	SHIP WGT. LBS.
9075-20	120 AC/DC	7.0	2500	1,750	380	11-5/8	6.2	8.0
9092-20	120 AC	7.0	1000-2600	600-1,800	315	12-1/4	6.5	7.8

STANDARD EQUIPMENT: FOR 9075-20 – Tool and 8' 2-Wire Fixed Cord. FOR 9092-20 – Tool and Quik-Lok® Cord 48-76-5010.

ACCESSORIES

1/2" SQUARE DRIVE HEX SOCKETS



Standard equipment for 9072-22 Kit.

- 49-66-3080 1/2" 49-66-3110 11/16"
- 49-66-3090 9/16" 49-66-3120 3/4"
- 49-66-3100 5/8" 49-66-3130 13/16"

5" LENGTH 1/2" SQUARE-DRIVE EXTENSION



- 48-95-5000 Adapts to 1/2" Square Drive. Provides 5" additional length where required for use with sockets.

1/2" SQUARE DRIVE UNIVERSAL JOINT



- 48-03-0500 Fits 1/2" Square Drive. Use with Hex Sockets to reach difficult places at various angles... also allows clearance around obstructions.

1/2" SQUARE DRIVE TO 7/16" HEX QUICK-CHANGE ADAPTER



- 48-66-0061 Use with 7/16" hex shank auger bits, selffeed bits or other 7/16" hex shank accessories which have ball-retainer grooves.

RETAINING RINGS FOR 3/4" SQUARE ANVILS

- 44-86-0282 1-7/16" ID (use with 1-1/2" hub sockets)
- 44-86-0285 1-5/8" ID (use with 1-3/4" hub sockets)

ROUND END DETENT KIT

- 49-17-0410 Use with 9066-6, 9068, 9070-20, 9072-20 and 9075-20. For quick socket changes.

FLAT END DETENT KIT

- 49-17-0405 For 9066-6, 9068, 9070-20, 9072-20 and 9075-20. Replaces standard round detent pin on 9066-6, 9068. Socket will not slip off unless detent pin is pressed in. Below Serial No. 656-38701, Use 49-17-0400 Positive Detent Kit

5/8" HEX QUICK-CHANGE CONVERSION KIT



- 14-46-9095 Completely assembled, easily converts 7/16" front end to 5/8" hex.

CHUCK ADAPTOR



- 48-66-0065 For 9092-20 and 9099-20. Adds versatility by enabling these tools to drill small holes (1/2" diameter max.) with jobber bits in steel, wood and plastic; or with carbide tipped bits to drill mortar, brick, etc. (NOT for use with any accessory that results in continuous impacting.)

GREASE

- 49-08-7655 Type "Z" grease. For 9070-20, 9071-20, 9072-20.
- 49-08-4220 Type "J" grease. For 9075-20.



HEAVY-DUTY 1/2" MAGNUM® HAMMER-DRILLS

EXCLUSIVE MAGNUM FEATURES



- **Removable Brush Cartridge System**
Change brushes in less than one minute with only a screwdriver. Includes spare brushes stored in cartridge.
- **Self-Stopping Brushes**
- **Trigger Speed Control, Reversing**
- **For Percussion Carbide-Bit Drilling In Concrete, Masonry And Drilling In Wood Or Metal**
- **Drives Concrete Screw Fasteners**
- **Heavy-Duty Industrial 1/2" Chuck**
- **All Ball And Roller Bearings**
- **Cut Steel Gears For Heavy-Duty Applications**
- **8' 3-Wire Quik-Lok Cord On Models 5370-6, 5370-1, 5376-6, 5377-6 And 5374-1**
Cord No. 48-76-4008. Quick detachment from tool for tangle free carrying and storage. Instant field repair.



5370-6

- DUAL TORQUE/SPEED RANGES
- KEYED CHUCK



5371-6 (KIT)

- KIT INCLUDES 5370-1
- PERCUSSION BITS: 3/16" X 3", 1/4" X 4", 5/16" X 4", 3/8" X 4"



5371-21 (KIT)

- DUAL TORQUE/SPEED RANGES
- KEYED CHUCK



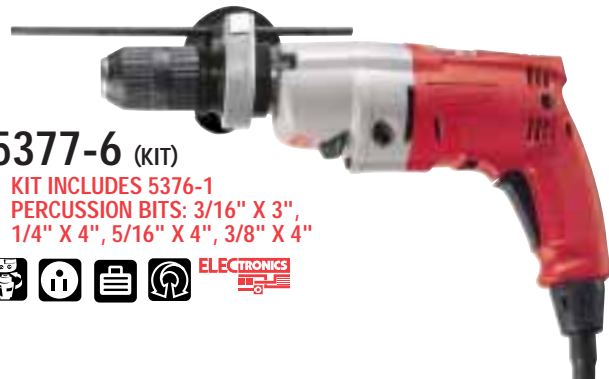
5374-1

- KEYED CHUCK



5377-6 (KIT)

- KIT INCLUDES 5376-1
- PERCUSSION BITS: 3/16" X 3", 1/4" X 4", 5/16" X 4", 3/8" X 4"



SPECIFICATION

CAPACITIES

CATALOG NUMBER	VOLTS		SPEED	RPM	BLOWS PER MINUTE	WOOD					STEEL	CONCRETE		LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
	AC ONLY	AMPS				FLAT BORING BIT	AUGER BIT	SHIP AUGER BIT	SELFEEED BIT	HOLE SAW	TWIST DRILL	CARBIDE TIP BIT	SCREW FASTENERS			
5370-6	120	5.5	LOW	0-1,000	0-20,000	1-1/2"	7/8"	7/8"	1-1/8"	3-1/4"	1/2"	5/8"	1/4"	13"	5.8	7.3
			HIGH	0-2,500	0-50,000	3/4"	NR	NR	NR	1-3/4"	3/8"	1/2"	3/16"			
5371-6	120	5.5	LOW	0-1,000	0-20,000	1-1/2"	7/8"	7/8"	1-1/8"	3-1/4"	1/2"	5/8"	1/4"	13"	5.8	15.3
			HIGH	0-2,500	0-50,000	3/4"	NR	NR	NR	1-3/4"	3/8"	1/2"	3/16"			
5371-21	120	5.5	LOW	0-1,000	0-20,000	1-1/2"	7/8"	7/8"	1-1/8"	3-1/4"	1/2"	5/8"	1/4"	13"	5.8	11.8
			HIGH	0-2,500	0-50,000	3/4"	NR	NR	NR	1-3/4"	3/8"	1/2"	3/16"			
5377-6	120	5.5	LOW	0-1,000	0-20,000	1-1/2"	7/8"	7/8"	1-1/8"	3-1/4"	1/2"	5/8"	1/4"	13"	5.8	15.3
			HIGH	0-2,500	0-50,000	3/4"	NR	NR	NR	1-3/4"	3/8"	1/2"	3/16"			
5374-1	120	5.5		0-2,500	0-50,000	3/4"	NR	NR	NR	1-3/4"	3/8"	1/2"	3/16"	11-1/2"	5.3	6.8

STANDARD EQUIPMENT FOR 5370-6 AND 5374-1 - Hammer-Drill, 8' 3-Wire Quik-Lok Cord, Depth Gauge, Adjustable Side Handle and Chuck Key with Holder. FOR 5371-6 - Hammer-Drill 5370-6, Steel Carrying Case and Percussion Bit Set 48-20-6850. FOR 5371-21 - Hammer-Drill 5370-21, Impact Resistant Carrying Case 48-55-5378, Depth Gauge, Adjustable Side Handle and Chuck Key with Holder. FOR 5377-6 - Hammer-Drill 5376-6, Steel Carrying Case and Percussion Bit Set 48-20-6850.



HEAVY-DUTY 1/2" AND 3/8" HAMMER-DRILLS



5378-20

- DUAL TORQUE/SPEED RANGES
- 1/2" KEYED CHUCK



5378-21 (KIT)

- DUAL TORQUE/SPEED RANGES
- 1/2" KEYED CHUCK



- For Percussion Drilling With Carbide-Tipped Hammer-Drill Bits In Concrete And Masonry Or Drilling Without Hammering In Wood Or Metal
- Trigger Speed Control
- All Ball And Roller Bearings
- Side Handle Can Be Used On Either Side And With Or Without Depth Gauge
- Self-Stopping Brushes
- Reversing On Models 5378-20, 5378-21, 5392-6 And 5397-6
- Soft Grip Handle On Models 5378-20 And 5378-21

5392-6

- 3/8" KEYED CHUCK



5397-6 (KIT)

- 3/8" KEYED CHUCK
- INCLUDES 4-BITS



5399 (KIT)

- 1/2" KEYED CHUCK



ACCESSORIES



IMPACT RESISTANT CARRYING CASE

48-55-5378 Included with 5378-21.

48-55-0802 Included with 5399.

STEEL CARRYING CASES

48-55-0711 Included with 5397-6.

SPECIFICATIONS

CAPACITIES

CATALOG NUMBER	VOLTS AC ONLY	AMPS	NO LOAD RPM	NO LOAD BLOWS PER MINUTE	DRILL ONLY WOOD					STEEL TWIST DRILL	HAMMER CONCRETE	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
					FLAT BORING BITS	HOLE SAW	AUGER BITS	SHIP AUGER BITS	SELFEED BITS					
5378-20	120	7.5	LOW 0-1,350 HIGH 0-2,500	LOW 0-22,000 HIGH 0-40,000	1-1/2" 3/4"	3-3/4" -	1-1/4" -	1-1/4" -	1-3/4" -	1/2" 1/4"	3/4" 3/8"	13"	6.0	7.4
5378-21	120	7.5	LOW 0-1,350 HIGH 0-2,500	LOW 0-22,000 HIGH 0-40,000	1-1/2" 3/4"	3-3/4" -	1-1/4" -	1-1/4" -	1-3/4" -	1/2" 1/4"	3/4" 3/8"	13"	6.0	11.9
5392-6	120	5.0	0-2,500	0-50,000	3/4"	-	-	-	-	3/8"	9/16"	11"	4.5	7.0
5397-6	120	5.0	0-2,500	0-50,000	3/4"	-	-	-	-	3/8"	9/16"	11"	4.5	15.0
5399	120	6.2	0-950	0-19,000	1-1/2"	3-1/2"	1"	1-1/8"	1-1/2"	1/2"	3/4"	5-1/2"	7.5	18.0

STANDARD EQUIPMENT: For 5378-20 – Includes Hammer-Drill, Depth Gauge, 48-66-5185 1/2" Chuck with Key and 49-15-5300 Removable Side Handle. For 5378-21 – Includes Hammer-Drill, Depth Gauge, 49-15-5300 Removable Side Handle, 48-66-5185 1/2" Chuck with Key and Impact Resistant Carrying Case. For 5392-6 – Includes Hammer-Drill, Depth Gauge, Removable Side Handle, Rubber Dust Shield, 48-66-0795 3/8" Keyed Chuck and Chuck Key With Holder. For 5397-6 – Includes Hammer-Drill, Depth Gauge, Removable Side Handle, Rubber Dust Shield, 48-66-0795 3/8" Keyed Chuck, Chuck Key With Holder, Steel Carrying Case, and Percussion 4-Bit Set No. 48-20-6850 With Bits 3/16" x 3", 1/4" x 4", 5/16" x 4" and 3/8" x 4". For 5399 – Includes Hammer-Drill, Depth Gauge, Removable Side Handle, 48-66-1360 1/2" Keyed Chuck and Chuck Key With Holder and Impact Resistant Carrying Case.



**IDEAL FOR
CORDLESS & CORDED
HAMMER-DRILLS
WITH KEYED &
KEYLESS CHUCKS**

HEAVY-DUTY HEX SHANK BITS, AND HAMMER ACCESSORIES



CARBIDE TIPPED HEX SHANK HAMMER-DRILL BITS

DESCRIPTION Dia X U.L. X O.L. (INCHES)	INDIVIDUAL POUCHED BIT	BULK BITS	BULK QTY PER PACK
1/8 x 1-1/2 x 3	48-20-6800*	48-20-6900*	25
3/16 x 1-1/2 x 4	48-20-6805	48-20-6905	25
3/16 x 4-1/2 x 6	48-20-6806	48-20-6906	25
1/4 x 2-1/2 x 4	48-20-6810	48-20-6910	25
1/4 x 4-1/2 x 6	48-20-6811	48-20-6911	25
5/16 x 2-1/2 x 4	48-20-6815	48-20-6915	25
5/16 x 4-1/2 x 6	48-20-6816	-	-
3/8 x 2-1/2 x 4	48-20-6820	48-20-6920	20
3/8 x 4-1/2 x 6	48-20-6821	48-20-6921	20
3/8 x 12 x 13-1/2	48-20-6823	-	-
7/16 x 4-1/2 x 6	48-20-6825	-	-
1/2 x 4-1/2 x 6	48-20-6830	48-20-6930	15
1/2 x 12 x 13-1/2	48-20-6833	-	-
9/16 x 4-1/2 x 6	48-20-6835	-	-
5/8 x 4-1/2 x 6	48-20-6840	-	-
5/8 x 12 x 13-1/2	48-20-6843	-	-
3/4 x 4-1/2 x 6	48-20-6845	-	-

*1/8 Bit has round shank, not hex.



HEX SHANK FOR MORE SECURE CHUCK GRIP

Hex shanks can be gripped more firmly than round shank bits, therefore reducing the likelihood of slipping. Use these bits for drilling primarily softer materials such as masonry, brick, block, softer aggregate concrete, etc. Use with Hammer-Drills that have a 3 jaw chuck.



4-PIECE HEX SHANK CARBIDE TIPPED HAMMER-DRILL BIT SET

48-20-6850 Set includes one each of: 48-20-6805, 48-20-6810, 48-20-6815 and 48-20-6820.

6-PIECE HEX SHANK CARBIDE TIPPED HAMMER-DRILL BIT SET

48-20-6851 Set includes one each of: 48-20-6805, 48-20-6810, 48-20-6815, 48-20-6820, 48-20-6811 and 48-20-6830.

CASES AND ACCESSORIES FOR ALL HAMMER TOOLS

TOOL NUMBER	CHUCK AND KEY	CHUCK KEY ONLY	RUBBER FLEX KEY HOLDER	QUIK-LOK® CORD	GREASE	CARRYING CASE	CARRYING CASE MATERIAL
5303-20	48-66-1360	-	-	-	49-08-4250/4255	48-55-5359	IMPACT RESISTANT
5313-20	-	-	-	-	49-08-5265	48-55-5315	IMPACT RESISTANT
5311-6	-	-	-	-	49-08-5265	48-55-5315	IMPACT RESISTANT
5314-21	-	-	-	-	48-08-5265	48-55-5315	IMPACT RESISTANT
5315-21	-	-	-	48-76-5010	49-08-5265	48-55-5315	IMPACT RESISTANT
5316-6	-	-	-	-	49-08-5265	48-55-5315	IMPACT RESISTANT
5317-6	-	-	-	-	49-08-5265	48-55-5315	IMPACT RESISTANT
5318-21	-	-	-	-	49-08-5265	48-55-5315	IMPACT RESISTANT
5319-21	-	-	-	48-76-5010	49-08-5265	48-55-5315	IMPACT RESISTANT
5321-21	-	-	-	48-76-5010	49-08-5265	48-55-5315	IMPACT RESISTANT
5324-20	-	-	-	-	49-08-4250	48-55-5324	STEEL
5334	-	-	-	-	49-08-5265	48-55-5315	IMPACT RESISTANT
5335	-	-	-	-	49-08-5265	48-55-5335	STEEL
5336-22	-	-	-	-	49-08-5265	48-55-5315	IMPACT RESISTANT
5338	-	-	-	-	49-08-5265	-	-
5345-21	-	-	-	-	49-08-5265	48-55-5315	IMPACT RESISTANT
5346-21	-	-	-	-	49-08-5265	48-55-5315	IMPACT RESISTANT
5347	-	-	-	-	49-08-5265	48-55-0580	STEEL
5348	-	-	-	-	49-08-5265	48-55-0580	STEEL
5359-21	-	-	-	-	49-08-4250/4255	48-55-5359	IMPACT RESISTANT
5360-21	-	-	-	-	49-08-4250/4255	48-55-5359	IMPACT RESISTANT
5362-6	-	-	-	-	49-08-5265	48-55-5359	IMPACT RESISTANT
5365-6	-	-	-	-	49-08-5265	48-55-5359	IMPACT RESISTANT
5366-21	-	-	-	-	49-08-5265	48-55-5378	IMPACT RESISTANT
5368-21	-	-	-	-	49-08-5265	48-55-5378	IMPACT RESISTANT
5368-22	-	-	-	-	49-08-5265	48-55-5378	IMPACT RESISTANT
5370-6	48-66-1360	48-66-3280	48-66-4040	48-76-4008	49-08-4122	48-55-0711	STEEL
5371-6	48-66-1360	48-66-3280	48-66-4040	48-76-4008	49-08-4122	48-55-0711	STEEL
5371-21	48-66-1360	48-66-3280	48-66-4040	-	49-08-4122	48-55-5378	IMPACT RESISTANT
5374-1	48-66-1360	48-66-3280	48-66-4040	48-76-4008	49-08-4122	48-55-0711	STEEL
5376-6	48-66-0600	-	-	48-76-4008	49-08-4122	48-55-0711	STEEL
5377-6	48-66-0600	-	-	48-76-4008	49-08-4122	48-55-0711	STEEL
5378-20	48-66-5185	48-66-2110	48-66-4040	-	49-08-4122	48-55-5378	IMPACT RESISTANT
5378-21	48-66-5185	48-66-2110	48-66-4040	-	49-08-4122	48-55-5378	IMPACT RESISTANT
5383-21	-	-	-	-	49-08-4250/4255	48-55-5378	IMPACT RESISTANT
5392-6	48-66-0795	48-66-3240	48-66-4040	-	49-08-5265	48-55-0711	STEEL
5397-6	48-66-0795	48-66-3240	48-66-4040	-	49-08-5265	48-55-0711	STEEL
5399	48-66-1360	48-66-3280	48-66-4040	-	49-08-4122/0150	48-55-0820	IMPACT RESISTANT



HEAVY-DUTY SDS ROTARY HAMMERS

SPEED DURABILITY AND VALUE

5366-21

- PISTOL GRIP DESIGN



5368-21

- D-HANDLE DESIGN



**AVAILABLE
CORDLESS**
SEE PAGE 21 FOR
18V ROTARY HAMMER

5368-22 (KIT)

- D-HANDLE DESIGN
- INCLUDES 5-PIECE 44-MAGNUM™ BIT SET



5383-21

- PISTOL GRIP DESIGN



EXCLUSIVE 5366-21, 5368-21 AND 5368-22 7/8" ROTARY HAMMERS FEATURES:

- 7.2 Amp Motor
- Variable Speed Switch Allows Holes To Be Started Easily
- 7/8" Solid Bit Capacity
- Thin Wall Core Bit Capacity Of 2"
- Mode Selector Can Be Changed From Hammering With Rotation For Drilling Concrete, To Rotation Only For Use In Steel, Wood, Etc. Using 48-66-1370 Adapter Kit.

EXCLUSIVE 5383-21 3/4" ROTARY HAMMER FEATURES:

- 6.0 Amp Motor
- Variable Speed Switch Allows Holes To Be Started Easily
- Hard Hitting – Hardest Hitting In Its Class 1.7 Ft. Lbs. / Blow
- Fast Drilling – 1,270 RPM And 5,400 BPM
- Soft Grip – More Comfortable, Secure Gripping
- Lightweight, Compact Size
- Mode Selector Can Be Changed From Hammering With Rotation For Drilling Concrete, To Rotation Only For Use In Steel, Wood, Etc. Using 48-66-1370 Adapter Kit.

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	BLOW ENERGY (FT.-LBS.)	NO LOAD RPM	NO LOAD BLOWS PER MIN.	SOLID BIT CAPACITY	THIN WALL CORE BIT CAPACITY	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
5366-21	120	7.2	1.8	0-1100	0-5000	7/8"	2"	13"	6.5	12.7
5368-21	120	7.2	1.8	0-1100	0-5000	7/8"	2"	15"	6.5	12.7
5368-22	120	7.2	1.8	0-1100	0-5000	7/8"	2"	15"	6.5	13.3
5383-21	120	6.0	1.7	0-1270	0-5400	3/4"	1-1/2"	13"	5.7	11.6

STANDARD EQUIPMENT: FOR 5366-21 AND 5368-21 – Depth Gauge, Side Handle and Impact Resistant Carrying Case. FOR 5368-22 – 5368-21 Rotary Hammer, Depth Gauge, Side Handle, 48-20-7490 44-Magnum™ 5-Piece Bit Set and 48-55-5378 Impact Resistant Carrying Case. FOR 5383-21 – Depth Gauge, Removable Side Handle and Impact Resistant Carrying Case.

ACCESSORIES



IMPACT RESISTANT CARRYING CASE

48-55-5378 Included with 5366-21, 5368-21, 5368-22 and 5383-21.

5-PIECE 44 MAGNUM™ CARBIDE-TIPPED BIT SET

48-20-7490 Set includes one of each: 48-20-7410 (3/16"), 48-20-7431 (1/4"), 48-20-7441 (5/16"), 48-20-7451 (3/8"), 48-20-7471 (1/2").

SDS/CHUCK ADAPTER KIT*

48-66-1370 Kit includes chuck adapter No. 48-03-3005, 1/2" chuck No. 48-66-1360, chuck screw No. 06-75-3150 and chuck key No. 48-66-3280. For models 5383-21, 5366-6, 5366-21 and 5368-21.



* Parts in KIT may be ordered separately.



HEAVY-DUTY SDS ROTARY HAMMERS

5359-21

- 1-1/8" CAPACITY
- 0-980 RPM
- CHIPPING MODE



- **D-Style Handle**
Offers a secure grip that maximizes drilling pressure while minimizing operator fatigue.
- **Electronic Variable Speed Control Trigger**
For smooth, controlled starts and hammering with rotation in concrete and masonry or drilling without hammering in wood or metal.
- **Slip Clutch**
When bit jams, the clutch slips – rotary action stops.

EXCLUSIVE 5362-6 FEATURE:

- **Reversing Switch**

5360-21

- 1-1/8" CAPACITY
- 0-980 RPM
- CHIPPING MODE
- EXCLUSIVE REMOVEABLE SDS BIT HOLDER



5362-6

- 1" CAPACITY
- 0-900 RPM



SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	RPM	REMOVEABLE SDS BIT HOLDER	BLOW ENERGY (FT.-LBS.)	BLOWS PER MIN.	SOLID BIT CAPACITY	WOOD FLAT BORING BIT	STEEL TWIST DRILL	CORE BIT CAPACITY	LENGTH INCHES	NET WGT. LBS.	SHIP. WGT. LBS.
5362-6	120	6.8	0-900	NO	2.0	0-4500	1"	1-1/4"	1-1/2"	3-1/2"	14"	7.5	15.0
5359-21	120	7.4	0-980	NO	2.5	0-4200	1-1/8"	1-1/2"	1/2"	4"	13"	8.3	14.5
5360-21	120	7.4	0-980	YES	2.5	0-4200	1-1/8"	1-1/2"	1/2"	4"	13.3"	8.7	15.0

STANDARD EQUIPMENT: FOR 5359-21, 5360-21 AND 5362-6 – Depth Gauge, Side Handle and Impact Resistant Carrying Case.

ACCESSORIES



IMPACT RESISTANT CARRYING CASE

48-55-5359 Included with 5362-6, 5359-21 and 5360-21.

5-PIECE 44 MAGNUM™ CARBIDE-TIPPED BIT SET

48-20-7490 Set includes one each bit: **48-20-7410** (3/16"), **48-20-7431** (1/4"), **48-20-7441** (5/16"), **48-20-7451** (3/8"), **48-20-7471** (1/2").



CHUCK ADAPTER

48-03-3047 For use with 48-66-1360 3-jaw chuck. Optional equipment with 5360-21.



SDS BIT HOLDER

48-66-3044 Standard equipment with 5360-21.



DUST SHIELD

48-03-3030 For use with SDS bits.

SIDE HANDLE

49-15-5300 For use with 5378, 5383, 5359 and 5360.

HAMMER STEEL (FOR CHIPPING AND CHISELING) FOR USE WITH 5359-21 AND 5360-21



SDS (OR SDS PLUS)

ACCESSORY DESCRIPTION AND APPLICATION

SIZE

CAT. NO.

BULK CAT. NO.

BULL POINT

Starts holes in concrete slabs, general chipping & breaking

10"

48-62-6010

48-62-6110
(25 per box)

FLAT CHISEL

General chipping & breaking work.

3/4" x 10"

48-62-6015

48-62-6115
(25 per box)

SCALING CHISEL

Wide chisels with (two) 60° cutting angles cleans concrete, scale & rust, cuts troughs & some asphalt.

1-1/2" x 10"

48-62-6020

48-62-6120
(25 per box)



HEAVY-DUTY SDS HAMMER ACCESSORIES



PREMIUM SDS HAMMER BITS

44 MAGNUM™ CARBIDE



TIP — AGGRESSIVE GEOMETRY

- Centering point - allows more accurate starting of holes.
- Unique edge design - allows cutting mesh and small diameter re-bar with less likelihood of tip breakage.
- Unique face design - directs concrete dust into the flute's pick up area quickly for faster drilling.
- Chisel design - a distinctive chisel shape can be seen. It efficiently penetrates concrete, which also improves drilling speed.

FLUTES — MORE RIGID - BETTER DUST EXTRACTING MULTI-FLUTED SPIRAL EXECUTION

- Four fluted spiral removes concrete dust faster.
- Shaft strength is improved for less bending / breakage.
- Drilling is smoother due to less vibration.
- More energy of the hammer blow is transmitted to the tip to improve drilling speed.



5-PIECE 44 MAGNUM™ CARBIDE-TIPPED BIT SET

48-20-7490 Set includes one each of: 48-20-7410, 48-20-7431, 48-20-7441, 48-20-7451 and 48-20-7471.

DESCRIPTION (INCHES) DIA. x U.L. x O.L.	2-CUTTER SINGLE		BEST VALUE MONSTER QTY		2-CUTTER
	2-CUTTER SINGLE	BULK QTY	2-CUTTER	MONSTER QTY	2-CUTTER
5/32 x 2 x 4-1/2	48-20-7400	25	48-20-7500	-	-
5/32 x 4 x 6	48-20-7401	25	48-20-7501	-	-
3/16 x 2 x 4-1/2	48-20-7410	25	48-20-7510	200	48-20-7810
3/16 x 4 x 6	48-20-7411	25	48-20-7511	200	48-20-7811
3/16 x 6 x 8	48-20-7412	25	48-20-7512	-	-
3/16 x 8 x 10	48-20-7413	25	48-20-7513	-	-
3/16 x 10 x 12	48-20-7414	25	48-20-7514	-	-
3/16 x 12 x 14	48-20-7415	25	48-20-7515	-	-
3/16 x 14 x 16	48-20-7416	25	48-20-7516	-	-
7/32 x 4 x 6	48-20-7421	25	48-20-7521	-	-
7/32 x 6 x 8	48-20-7422	25	48-20-7522	-	-
7/32 x 9 x 11	48-20-7424	25	48-20-7524	-	-
7/32 x 12 x 14	48-20-7425	25	48-20-7525	-	-
7/32 x 14 x 16	48-20-7426	25	48-20-7526	-	-
1/4 x 2 x 4-1/2	48-20-7430	25	48-20-7530	200	48-20-7830
1/4 x 4 x 6	48-20-7431	25	48-20-7531	200	48-20-7831
1/4 x 6 x 8	48-20-7432	25	48-20-7532	-	-
1/4 x 9 x 11	48-20-7434	25	48-20-7534	-	-
1/4 x 12 x 14	48-20-7435	25	48-20-7535	-	-
1/4 x 14 x 16	48-20-7436	25	48-20-7536	-	-
1/4 x 18 x 20	48-20-7438	-	-	-	-
5/16 x 4 x 6	48-20-7441	25	48-20-7541	150	48-20-7841
5/16 x 10 x 12	48-20-7444	-	-	-	-
3/8 x 4 x 6	48-20-7451	20	48-20-7551	125	48-20-7851
3/8 x 6 x 8	48-20-7452	-	-	-	-
3/8 x 8 x 10	48-20-7453	-	-	-	-
3/8 x 10 x 12	48-20-7454	20	48-20-7554	-	-
3/8 x 16 x 18	48-20-7457	-	-	-	-
3/8 x 22 x 24	48-20-7459	-	-	-	-
7/16 x 4 x 6	48-20-7461	-	-	-	-
7/16 x 10 x 12-1/2	48-20-7464	-	-	-	-
7/16 x 16 x 18	48-20-7467	-	-	-	-
1/2 x 4 x 6	48-20-7471	15	48-20-7571	100	48-20-7871
1/2 x 8 x 10	48-20-7473	-	-	-	-
1/2 x 10 x 12	48-20-7474	15	48-20-7574	-	-
1/2 x 16 x 18	48-20-7477	-	-	-	-
1/2 x 22 x 24	48-20-7479	-	-	-	-
9/16 x 4 x 6-1/2	48-20-7481	-	-	-	-
9/16 x 10 x 12-1/2	48-20-7484	-	-	-	-
9/16 x 16 x 18	48-20-7487	-	-	-	-
5/8 x 4 x 6	48-20-7601	-	-	-	-
5/8 x 6 x 8	48-20-7602	10	48-20-7702	-	-
5/8 x 10 x 12	48-20-7604	-	-	-	-
5/8 x 16 x 18	48-20-7607	-	-	-	-
5/8 x 22 x 24	48-20-7609	-	-	-	-



HEAVY-DUTY SPLINE, SDS AND SDS MAX HAMMER ACCESSORIES

HEAVY-DUTY STANDARD SDS HAMMER BITS

DESCRIPTION DIA. X U.L. X O.L. (INCHES)	SDS	
	2 CUTTER	4 CUTTER
5/8 x 6 x 8	-	48-20-7200
5/8 x 10 x 12	-	48-20-7203
5/8 x 16 x 18	-	48-20-7206
11/16 x 6 x 8	48-20-7058	-
3/4 x 6 x 8	48-20-7061	48-20-7210
3/4 x 8 x 10	48-20-7063	-
3/4 x 10 x 12	48-20-7065	48-20-7215
3/4 x 16 x 18	48-20-7066	48-20-7220
3/4 x 22 x 24	48-20-7067	-
7/8 x 6 x 8	48-20-7071	48-20-7225
7/8 x 10 x 12	48-20-7072	48-20-7230
7/8 x 16 x 18	48-20-7075	48-20-7236
1 x 8 x 10	48-20-7080	48-20-7240
1 x 16 x 18	48-20-7085	48-20-7246
1-1/8 x 8 x 10	-	48-20-7250
1-1/8 x 16 x 18	-	48-20-7256

SDS		FITS HEX 5/16" CONDRIVE SLEEVE		
2-CUTTER SDS BITS - WITH HEX SHOULDER FOR TAP-CON® SCREW SYSTEM				
2 CUTTER SINGLE PIECE POUCH CAT. NO.	2 CUTTER BULK 25 BITS PER BOX CAT. NO.	BIT DIA.	USABLE LENGTH	OVERALL LENGTH
48-20-7090	-	5/32"	2"	5"
48-20-7096	48-20-7196	5/32"	3"	6"
48-20-7091	48-20-7191	5/32"	4"	7"
48-20-7097	-	3/16"	2"	5"
48-20-7098	48-20-7198	3/16"	3"	6"
48-20-7092	48-20-7192	3/16"	4"	7"



"A" TAPER ADAPTER

48-66-6502 For use with "A" Taper Bits. Includes Drift Pin 48-86-0120



SPLINE TO SDS ADAPTER

48-03-3015 For use with SDS bits.



SDS-MAX TO SDS ADAPTER

48-03-3025 For use with SDS bits.

HEAVY-DUTY COMPONENT SYSTEMS

DIAMETER	DRILLING DEPTH	CORE BODY W/ GUIDE PLATE & CENTERING PIN†	SDS		EXTENSION 7-1/2" LONG	REPLACEMENT GUIDE PLATE	REPLACEMENT CENTERING PIN
			SDS ADAPTER SHANKS 8" LONG	SDS ADAPTER SHANKS 12" LONG			
1"	3-3/16"	48-20-5005 †	48-03-3545	48-03-3551	48-95-6070	N/A	N/A
1-1/8"	3-3/16"	48-20-5010 †	48-03-3545	48-03-3551	48-95-6070	N/A	N/A
1-1/4"	3-3/16"	48-20-5015	48-03-3545	48-03-3551	48-95-6070	48-20-6151	48-20-6150
1-3/8"	3-3/16"	48-20-5020	48-03-3545	48-03-3551	48-95-6070	48-20-6152	48-20-6150
1-1/2"	3-3/16"	48-20-5025	48-03-3545	48-03-3551	48-95-6070	48-20-6153	48-20-6150
1-3/4"	2-13/16"	48-20-5030	48-03-3555	48-03-3561	48-95-6075	48-20-6156	48-20-6155
2"	2-13/16"	48-20-5035	48-03-3555	48-03-3561	48-95-6075	48-20-6157	48-20-6155
2-1/2"	2-13/16"	48-20-5040	48-03-3555	48-03-3561	48-95-6075	48-20-6158	48-20-6155
3"	2-13/16"	48-20-5045	48-03-3555	48-03-3561	48-95-6075	48-20-6159	48-20-6155
3-1/2"	2-13/16"	48-20-5050	48-03-3555	48-03-3561	48-95-6075	48-20-6160	48-20-6155
4"	2-13/16"	48-20-5055	48-03-3555	48-03-3561	48-95-6075	48-20-6161	48-20-6155

† Guide plate and centering pin not included with 1" & 1-1/8" diameter core bits.



HEAVY-DUTY 1-3/4" ROTARY HAMMERS

POWERFUL MOTOR • HARD HITTING • FAST DRILLING

5345-21



5346-21



5345-21 AND 5346-21 FEATURES

- Powerful 13.0 Amp MILWAUKEE Motor
- Electronic Feedback Control Circuit (EFCC)
For reserve power (helps maintains speed, won't bog down).
- Patented Vibration Isolation System
Reduces operator fatigue and increases comfort and control. Both handles "float" to absorb hammering action.
- BOTH Grips Cushioned For Comfort
- "Soft-Shift" Stop-Rotation Mode Selector
- Two Operating Modes
Hammer with rotation and hammer only.
- Internal Clutch Slips When Bit Jams
- Sealed "AC Only" Switch
Keeps dust out, contacts clean.
- Excellent Power To Weight Ratio
- Convenient, Handle-Mounted Speed Dial
- Removable, Independent Depth Rod Bracket
- Additional Rear Mounting Option For Side Handle



EXCLUSIVE 5345-21 FEATURE

- Spline Drive

EXCLUSIVE 5346-21 FEATURES

- Single Motion Push-In SDS-max Bit Reception
- SDS-max Chisels Can Lock In 15 Multi-Positions



SPECIFICATIONS

CATALOG NUMBER	VOLTS	AMPS	DRIVE SYSTEM	NO LOAD BLOWS PER MIN.	NO LOAD RPM	IMPACT ENERGY (FT-LBS.)	SOLID BIT CAPACITY	TUNNEL BIT CAPACITY	THICK WALL CORE BIT CAPACITY	THIN WALL CORE BIT CAPACITY	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
5345-21	120 AC Only	13.0	Spline	1300-3450	150-400	8.6	1-3/4"	3-1/8"	5"	6"	18-1/2"	17.3	28.3
5346-21	120 AC Only	13.0	SDS-max	1300-3450	150-400	8.6	1-3/4"	3-1/8"	5"	6"	18-1/2"	17.3	28.5

STANDARD EQUIPMENT: FOR 5345-21 AND 5346-21 – Depth Gauge 44-94-0165, Side Handle 14-34-0516 and Impact Resistant Carrying Case 48-55-5315.



HEAVY-DUTY 1-1/2" ROTARY HAMMERS

POWERFUL MOTOR! HARD HITTING! FAST DRILLING! • HIGHEST BLOW ENERGY, AMP RATING AND BPM IN THE 1-1/2" CLASS • PATENTED VIBRATION ISOLATION SYSTEM • LONG LIFE PNEUMATICS

- **Powerful 11.0 Amp MILWAUKEE Motor**
- **Electronic Feedback Control Circuit (EFCC)**
For reserve power (helps maintains speed, won't bog down).
- **Patented Vibration Isolation System**
Reduces operator fatigue and increases comfort and control. BOTH handles "float" to absorb hammering action.
- **BOTH Grips Cushioned For Comfort**
- **Power Indicator Light**
- **Service Reminder Light**
Alerts user 8 hours in advance of auto shut-down for servicing.
- **Speed Dial Allows User To Match Hammer Speed And Power To Application**
- **Two Operating Modes**
Hammer with rotation and hammer only.
- **Internal Clutch Slips If Bit Jams**
- **Sealed "AC Only" Switch**
Keeps dust out, contacts clean.
- **Excellent Power To Weight Ratio**
- **Removable, Independent Depth Rod Bracket**
- **10' Quik-Lok® Cord**
For quick detachment from tool for tangle-free carrying and storage. Instant field repair.



5315-21



5315-22 (KIT)

• INCLUDES 5-PIECE BIT & CHISEL ASSORTMENT



5321-21



5321-22 (KIT)

• INCLUDES 5-PIECE BIT & CHISEL ASSORTMENT



5315-21 AND 5315-22 FEATURES

- **Single Motion Push-In SDS-max Bit Reception**
- **SDS-max Chisels Can Lock In 24 Multi-Positions**
- **"Soft-Shift" Stop-Rotation Mode Selector**

5321-21 AND 5321-22 FEATURES

- **Single Motion Push-In Spline Bit Reception**
- **"Soft-Shift" Stop-Rotation Mode Selector**



IMPACT RESISTANT CARRYING CASE

48-55-5315 For use with Milwaukee 1-1/2" Hammers

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	BIT RECEPTION	AMPS	NO LOAD BLOWS PER MIN.	NO LOAD RPM	IMPACT ENERGY (FT-LBS.)	SOLID BIT CAPACITY	STOP ROTATION	TUNNEL BIT CAPACITY	THICK WALL CORE BIT CAPACITY	THIN WALL CORE BIT CAPACITY	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
5315-21	120	SDS-max	11.0	1700-3400	190-385	7.9	1-1/2"	YES	2-5/8"	4"	6"	17-1/2"	14.2	25.5
5315-22 KIT	120	SDS-max	11.0	1700-3400	190-385	7.9	1-1/2"	YES	2-5/8"	4"	6"	17-1/2"	14.2	32.0
5321-21	120	SPLINE	11.0	1700-3400	190-385	7.9	1-1/2"	YES	2-5/8"	4"	6"	17-1/2"	13.9	25.5
5321-22 KIT	120	SPLINE	11.0	1700-3400	190-385	7.9	1-1/2"	YES	2-5/8"	4"	6"	17-1/2"	13.9	32.0

STANDARD EQUIPMENT: FOR 5315-21 – Depth Gauge, Side Handle, 10' Quik-Lok Cord 48-76-5010 and Carrying Case. **FOR 5315-22** – Depth Gauge, Side Handle, Carrying Case, 10' Quik-Lok Cord 48-76-5010 and 5 Piece Bit and Chisel Assortment (Consists of one each of the following: 48-62-4075 – 12" Bull Point Chisel, 48-62-4079 – 12" Flat Chisel, 48-20-3916 – 5/8"x8"x13" 4-Cutter Carbide Bit, 48-20-3930 – 3/4"x8"x13" 4-Cutter Carbide Bit, and LHS Shank 48-20-5077. **FOR 5321-21** – Depth Gauge, Side Handle, 10' Quik-Lok Cord 48-76-5010 and Carrying Case. **FOR 5321-22** – Depth Gauge, Side Handle, Carrying Case, 10' Quik-Lok Cord 48-76-5010 and 5 Piece Bit and Chisel Assortment (Consists of one each of the following: 48-62-2000 – 12" Bull Point Chisel, 48-62-2020 – 12" Flat Chisel, 48-20-4305 – 5/8"x11"x16" 4-Cutter Carbide Bit, 48-20-4335 – 3/4"x11"x16" 4-Cutter Carbide Bit, and LHS Shank 48-20-5075.



HEAVY-DUTY 1-1/2" ROTARY HAMMERS

POWERFUL MOTOR! HARD HITTING! FAST DRILLING! • HIGHEST BLOW ENERGY, AMP RATING AND BPM IN THE 1-1/2" CLASS • LONG LIFE PNEUMATICS

- Powerful 11.0 Amp MILWAUKEE Motor
- Electronic Feedback Control Circuit (EFCC)
For reserve power (helps to maintain speed, won't bog down).
- "Soft-Shift" Stop-Rotation Mode Selector (5314-21 only)
- Two Operating Modes
Hammer with rotation and hammer only.
- Internal Clutch Slips If Bit Jams
- Sealed "AC Only" Switch
Keeps dust out, contacts clean.
- Excellent Power To Weight Ratio



5314-21



5314-21 FEATURES

- Single Motion Push-In SDS-Max Bit Reception
- SDS-Max Chisels Can Lock In 24 Multi-Positions

5318-21 FEATURE

- Single Motion Push-In Spline Bit Reception

5318-21



IMPACT RESISTANT CARRYING CASE

48-55-5315

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	NO LOAD BLOWS PER MIN.	NO LOAD RPM	IMPACT ENERGY (FT-LBS.)	SOLID BIT CAPACITY	TUNNEL BIT CAPACITY	THICK WALL CORE BIT CAPACITY	THIN WALL CORE BIT CAPACITY	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
5314-21	120	11.0	3400	385	7.9	1-1/2"	2-5/8"	4"	6"	17-1/2"	13.5	27.0
5318-21	120	11.0	3400	385	7.9	1-1/2"	2-5/8"	4"	6"	17-1/2"	13.5	27.0

STANDARD EQUIPMENT: For 5314-21: Tool, Side Handle and Impact Resistant Carrying Case. For 5318-21: Tool, Side Handle and Impact Resistant Carrying Case.



HEAVY-DUTY SPLINE AND SDS-MAX HAMMER ACCESSORIES

4-CUTTER ROTARY HAMMER BITS FOR SDS, SDS-max AND SPLINE

20% longer life, faster penetration, improved ergonomics, and improved drilling efficiency!



FLUTE DESIGN:

- Optimizes hammer energy transfer for less strenuous drilling
- Optimizes dust removal when working vertically
- Minimizes friction



CENTERING POINT:
• Allows more accurate starting of holes

SHORTER DUST ENTRANCE GROOVES:
• Removes dust faster



4-CUTTER HEAD DESIGN:
• Provides precise, round holes
• Reduces vibration

BRAZING FORMULA:
• Optimizes drilling performance for up to 20% longer life
• Provides lower "cost per drilled hole"

DUST ENTRANCE GROOVE ANGLES:

- Optimized angle removes dust faster



SPLINE SHANK

Use in Spline Drive rotary hammers. These bits are for use in any kind of concrete or masonry.



DESCRIPTION DIA. X U.L. X O.L. (INCHES)	2 CUTTER	4 CUTTER
3/8 X 5 X 10	48-20-4037	-
1/2 X 5 X 10	48-20-4050	-
1/2 X11 X 16	48-20-4051	-
1/2 X 17 X 22	48-20-4052	-
1/2 X 22 X 27	48-20-4053	-
1/2 X 31 X 36	48-20-4054	-
9/16 X 5 X 10	48-20-4056	-
9/16 X 18 X 23	48-20-4057	-
5/8 X 5 X 10	48-20-4062	48-20-4300
5/8 X11 X 16	48-20-4063	48-20-4305
5/8 X 17 X 22	48-20-4064	48-20-4310
5/8 X 24 X 29	-	48-20-4315
5/8 X 31 X 36	-	48-20-4320
11/16 X 11 X 16	48-20-4068	48-20-4325
3/4 X 5 X 10	48-20-4075	48-20-4330
3/4 X11 X 16	48-20-4076	48-20-4335
3/4 X 17 X 22	48-20-4078	48-20-4340
3/4 X 24 X 29	-	48-20-4345
3/4 X 31 X 36	-	48-20-4350
13/16 X 11 X 16	48-20-4081	-
7/8 X 11 X 16	48-20-4087	48-20-4360
7/8 X 17 X 22	48-20-4088	48-20-4365
1 X 11 X 16	48-20-4100	48-20-4370
1 X 17 X 22	48-20-4101	48-20-4375
1 X 31 X 36	-	48-20-4380
1-1/8 X 11 X 16	48-20-4112	48-20-4385
1-1/8 X 17 X 22	48-20-4113	48-20-4390
1-1/4 X 11 X 16	48-20-4125	48-20-4395
1-1/4 X 17 X 22	48-20-4126	48-20-4400
1-1/4 X 31 X 36	-	48-20-4405
1-3/8 X 11 X 16	48-20-4137	-
1-3/8 X 17 X 22	48-20-4138	48-20-4410
1-1/2 X 11 X 16	48-20-4150	-
1-1/2 X 17 X 22	48-20-4151	48-20-4415
1-3/4 X 18 X 23	-	48-20-4418
2 X 18 X 23	-	48-20-4419



SDS-max SHANK

Use in SDS-max Drive rotary hammers. These bits are for use in any kind of concrete or masonry.



DESCRIPTION DIA. X U.L. X O.L. (INCHES)	2 CUTTER	4 CUTTER
1/2 x 7-1/2 x 13	48-20-3902	-
1/2 x 15-1/2 x 21	48-20-3904	-
9/16 x 7-1/2 x 13	48-20-3910	-
9/16 x 15-1/2 x 21	48-20-3912	-
5/8 x 7-1/2 x 13	-	48-20-3916
5/8 x 15-1/2 x 21	-	48-20-3918
5/8 x 30-1/2 x 36	-	48-20-3922
11/16 x 15-1/2 x 21	-	48-20-3926
3/4 x 8 x 13	-	48-20-3930
3/4 x 17 x 21	-	48-20-3932
3/4 x 31 x 36	-	48-20-3936
13/16 x 17 x 21	-	48-20-3938
7/8 x 8 x 13	-	48-20-3944
7/8 x 17 x 21	-	48-20-3946
1 x 8 x 13	-	48-20-3952
1 x 17 x 21	-	48-20-3954
1 x 31 x 36	-	48-20-3956
1-1/16 x 18 x 23	-	48-20-3958
1-1/8 x 12 x 17	-	48-20-3964
1-1/8 x 17 x 21	-	48-20-3966
1-3/16 x 18 x 23	-	48-20-3968
1-1/4 x 10 x 15	-	48-20-3970
1-1/4 x 18 x 23	-	48-20-3972
1-1/4 x 31 x 36	-	48-20-3974
1-3/8 x 18 x 23	-	48-20-3980
1-7/16 x 18 x 23	-	48-20-3984
1-1/2 x 18 x 23	-	48-20-3988
1-9/16 x 18 x 23	-	48-20-3990
1-5/8 x 18 x 23	-	48-20-3991
1-3/4 x 18 x 23	-	48-20-3992
2 x 18 x 23	-	48-20-3993

HEAVY-DUTY COMPONENT SYSTEMS

	DIAMETER	DRILLING DEPTH	CORE BODY W/ GUIDE PLATE & CENTERING PIN					EXTENSION 7-1/2" LONG	REPLACEMENT GUIDE PLATE	REPLACEMENT CENTERING PIN
				SPLINE ADAPTER SHANKS 12" LONG	SPLINE ADAPTER SHANKS 18" LONG	SDS-max ADAPTER SHANKS 12" LONG	SDS-max ADAPTER SHANKS 18" LONG			
THICK WALL CARBIDE-TIPPED CORE BITS	1-1/2"	4-1/16"	48-20-5125	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5168	48-20-5199
	1-3/4"	4-1/16"	48-20-5130	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5169	48-20-5199
	2"	4-1/16"	48-20-5135	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5170	48-20-5199
	2-1/2"	4-1/16"	48-20-5140	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5171	48-20-5199
	3"	4-1/16"	48-20-5145	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5172	48-20-5199
	3-1/2"	4-1/16"	48-20-5150	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5173	48-20-5199
	4"	4-1/16"	48-20-5155	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5174	48-20-5199
	5"	4-1/16"	48-20-5160	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5175	48-20-5199
6"	4-1/16"	48-20-5165	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5176	48-20-5199	
THIN WALL CARBIDE TIPPED CORE BITS	5"	2-13/16"	48-20-5060	48-03-3540	-	48-03-3574	-	48-95-6075	48-20-6162	48-20-6155
	6"	2-13/16"	48-20-5065	48-03-3540	-	48-03-3574	-	48-95-6075	48-20-6163	48-20-6155

HEAVY-DUTY LHS HAMMER SYSTEM

LHS

FOR CONCRETE DRILLING

VERSATILITY AT A LOWER COST

Fewer bits to do the same job, less inventory and storage space required.

REPLACEMENT HEADS

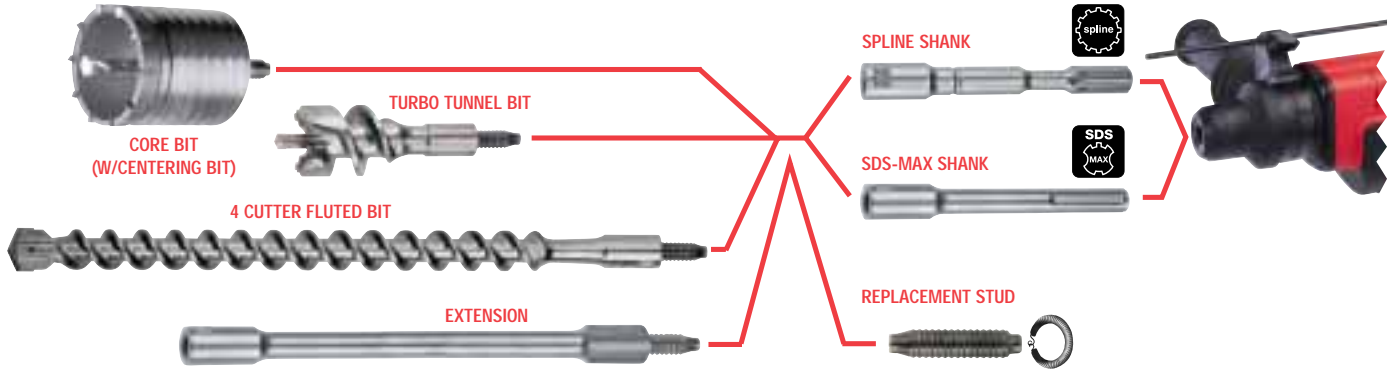
No need to replace the entire bit when the head wears.

REPLACEMENT SHANKS

No need to replace the entire bit if the shank wears.

EXTENDABLE - No need to buy longer bits, just add extensions! Ideal for extra thick walls in old building foundations.

LARGE HOLE SYSTEM COMPONENTS



HEAVY-DUTY LHS COMPONENT SYSTEMS

THICK WALL CARBIDE-TIPPED CORE BITS



DIAMETER METRIC (NOMINAL INCH)	DRILLING DEPTH	CORE BODY W/ CENTERING PIN	SPLINE ADAPTER SHANK 7" LONG	SDS-max ADAPTER SHANK 7-1/2" LONG	EXTENSION WITH THREADED STUD 11" LONG	REPLACEMENT THREADED STUD	REPLACEMENT CENTERING PIN
40 mm 1-1/2"	3"	48-20-5090	48-20-5075	48-20-5077	48-20-5079	48-20-5081	48-20-5099
45 mm 1-3/4"	3"	48-20-5091	48-20-5075	48-20-5077	48-20-5079	48-20-5081	48-20-5099
55 mm 2-1/8"	3"	48-20-5092	48-20-5075	48-20-5077	48-20-5079	48-20-5081	48-20-5099
68 mm 2-5/8"	3"	48-20-5093	48-20-5075	48-20-5077	48-20-5079	48-20-5081	48-20-5099
80 mm 3-1/8"	3"	48-20-5094	48-20-5075	48-20-5077	48-20-5079	48-20-5081	48-20-5099
90 mm 3-1/2"	3"	48-20-5095	48-20-5075	48-20-5077	48-20-5079	48-20-5081	48-20-5099
100 mm 4"	3"	48-20-5096	48-20-5075	48-20-5077	48-20-5079	48-20-5081	48-20-5099
120 mm 5"	3"	48-20-5097	48-20-5075	48-20-5077	48-20-5079	48-20-5081	48-20-5099

4-CUTTER FLUTED BITS



1-1/8" x 18" Long	48-20-5070	48-20-5075	48-20-5077	48-20-5079	48-20-5081	N/A
1-1/4" x 18" Long	48-20-5071	48-20-5075	48-20-5077	48-20-5079	48-20-5081	N/A

TURBO TUNNEL BITS



DIAMETER METRIC (NOMINAL INCH)	48-20-5082	48-20-5075	48-20-5077	48-20-5079	48-20-5081	N/A
35 mm 1-3/8"	48-20-5082	48-20-5075	48-20-5077	48-20-5079	48-20-5081	N/A
40 mm 1-1/2"	48-20-5083	48-20-5075	48-20-5077	48-20-5079	48-20-5081	N/A
45 mm 1-3/4"	48-20-5084	48-20-5075	48-20-5077	48-20-5079	48-20-5081	N/A
55 mm 2-1/8"	48-20-5085	48-20-5075	48-20-5077	48-20-5079	48-20-5081	N/A
68 mm 2-5/8"	48-20-5087	48-20-5075	48-20-5077	48-20-5079	48-20-5081	N/A
80 mm 3-1/8"	48-20-5089	48-20-5075	48-20-5077	48-20-5079	48-20-5081	N/A



HEAVY-DUTY CHIPPING AND DEMOLITION HAMMERS

5327-21



5336-22 (KIT)
• INCLUDES 3 CHISELS



Additional Rear Mounting Option For Side Handle

5335



5338



5327-21 FEATURES

- Powerful 11.0 Amp MILWAUKEE Motor
- Electric Feedback Control Circuit Delivers Maximum Power and Soft Start
- Sealed "AC Only" Switch Keeps dust out, contacts clean.
- Excellent Power to Weight Ratio
- Single Motion Push-In Bit Reception
- Computer Optimized Pneumatics For High Impact Energy
- Lock On Trigger Switch
- Large Case

5336-22 FEATURES

- Powerful 13.0 Amp MILWAUKEE Motor
- Electric Feedback Control Circuit Delivers Maximum Power and Soft Start
- Patented Vibration Isolation System Reduces operator fatigue – increases comfort and control. Handles "float" to absorb hammering action.
- BOTH Grips Cushioned For Comfort
- Sealed Switch Keeps Dust Out And Contacts Clean
- Excellent Power-To-Weight Ratio
- Computer Optimized Pneumatics For High Impact Energy
- Convenient, Handle-Mounted Speed Dial
- Large Case

5335 FEATURES

- Powerful 18.5 Ft.-Lbs. Of Blow Energy
- Back Handle Has Vibration Isolation For Less Operator Fatigue
- Two Finger Trigger, Lock-On Switch
- 360° Rotatable Front Handle
- Cushioned Grips On Front And Back Handles
- In-Line Configuration Combined With Wobble Plate Delivers Working Force With Precision And Accuracy
- Heavy-Duty Metal Gear Case

5338 FEATURES

- Heavy Hitting 44 Ft.-Lbs. Of Blow Energy
- Use For Breaking: Concrete Slabs, Asphalt Cutting, Clay Digging, Tamping, Ground Rod Driving
- T-Handles Featured For Operator Control
- Easy Open Chisel Release
- Uses 1-1/8" Hex Air Tool Steel Or 1-1/8" Hex Notched Steel

SPECIFICATIONS

CATALOG NO.	VOLTS	AMPS	IMPACT ENERGY (FT.-LBS.)	NO LOAD BLOWS PER MINUTE	BIT SHANK TYPE	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
5327-21	120 AC only	11.0	7.9	3400	ROUND HEX	17-1/2"	12.9	24.5
5336-22 KIT	120 AC only	13.0	8.6	1300-3450*	ROUND HEX	18-1/2"	15.0	30.0
5335	120 AC only	13.0	18.4	1600	3/4" HEX	30"	31.0	51.0
5338	120 AC-DC	15.0	44	1400	1-1/8" COLLARD HEX	28-1/2"	71.5	80.0

STANDARD EQUIPMENT: FOR 5327-21– Tool, Side Handle and Carrying Case 48-55-5315. FOR 5336-22 – Bull Point 48-62-2000, Flat Chisel 48-62-2020, Scaling Chisel 48-62-2055, Side Handle 14-34-0515 and Carrying Case 48-55-5315. FOR 5335– Includes Steel Carrying Case 48-55-5335 and Dust Shield 42-52-0340. FOR 5338 – Breaker Hammer Only.

* The Electronic Feedback Control Circuit maintains the same speed whether under load or no-load conditions.

ACCESSORIES



IMPACT RESISTANT CARRYING CASE
48-55-5315 For use with Milwaukee 1-1/2"–1-3/4" Hammers

HAMMER DOLLY

48-08-0280 For use with Breaker Hammer 5338.



DEMOLITION HAMMER ACCESSORIES



USE WITH BREAKERS HAVING 1-1/8" HEX HOLDERS (MODEL 5338). ALL SHANKS HAVE INTERNAL LOCK RECESS.

1-1/8" COLLARED HEX WITH NOTCH

WORKING END	DESCRIPTION	APPLICATION	OVERALL LENGTH	CATALOG NUMBER	BULK PART NUMBER
	MOIIL POINT	Starts holes in concrete slabs, general chipping & breaking.	20"	48-62-4000	48-62-4100 (8 per box)
	NARROW CHISEL	General chipping & breaking work.	20.5"	48-62-4005	48-62-4105 (8 per box)
	3" CHISEL	Wide chisel with (two) 60° cutting angles clean concrete, scale and rust, cut troughs & some asphalt.	20.5"	48-62-4010	48-62-4110 (8 per box)
	5" ASPHALT CUTTER	Cuts asphalt or hard ground (DO NOT use for concrete.)	17.5"	48-62-4020	48-62-4120 (6 per box)
	5-1/2" CLAY SPADE	Digs clay, hard packed gravel, dirt. (DO NOT use for concrete.)	20"	48-62-4030	48-62-4130 (5 per box)
	GROUND ROD DRIVER	Drives ground rods.	15.5" / 3" Deep	48-62-4045	NA
	SPIKE/PIN DRIVER	Drives anchoring pins for concrete forms.	14.5"	48-62-4040	NA
	TAMPER SHANK	For use with 48-62-4050, 48-62-4055 and 48-62-4061.	15.5"	48-62-4060	NA
	TAMPER PLATE	Compacts dirt, tamps asphalt. Use with 48-62-4060 Shank.	6" x 6" 8" x 8"	48-62-4050 48-62-4055	NA
	TENT STAKE DRIVER	Used to drive in large tent stakes. Use with 48-62-4060 Shank.	5.5" L / 3.5" OD / 2.75" ID	48-62-4061	NA

HAMMER STEEL (FOR BREAKING, DIGGING, DRIVING, ETC.) (FITS HAMMERS HAVING THE FOLLOWING BIT RECEPTION CONFIGURATIONS)



SDS-MAX	SPLINE OR ROUND/HEX	HEX
SDS-MAX SLOTTED 18MM ROUND	3/4" HEX WITH 21/32" ROUND	3/4" HEX
USE WITH: 5313-20, 5346-21, 5314-21, 5315-21 & 5315-22	USE WITH: 5347, 5348, 5316-6, 5318-21, 5336-22, 5345-21, 5321-21 & 5321-22	USE WITH: 5335

WORKING END	ACCESSORY DESCRIPTION AND APPLICATION	SIZE	SDS-MAX		SPLINE OR ROUND/HEX		HEX	
			CAT. NO.	BULK CAT. NO.	CAT. NO.	BULK CAT. NO.	CAT. NO.	BULK CAT. NO.
	BULL POINT Starts holes in concrete slabs, general chipping & breaking	12"	48-62-4075	48-62-4175 (25 per box)	48-62-2000	48-62-2100 (25 per box)	48-62-3000	-
		18"	48-62-4077	48-62-4177 (25 per box)	48-62-2010	48-62-2110 (25 per box)	48-62-3005	-
	FLAT CHISEL General chipping & breaking work.	1" x 12"	48-62-4079	48-62-4179 (25 per box)	48-62-2020	48-62-2120 (25 per box)	48-62-3010	48-62-3110 (25 per box)
		1" x 18"	48-62-4081	48-62-4181 (25 per box)	48-62-2030	48-62-2130 (25 per box)	48-62-3015	-
	SCALING CHISEL Wide chisels with (two) 60° cutting angles cleans concrete, scale & rust, cuts troughs & some asphalt.	1-1/2" x 12"	48-62-4082	-	48-62-2040	-	48-62-3020	-
		2" x 12"	48-62-4085	48-62-4185 (25 per box)	48-62-2050	48-62-2150 (25 per box)	48-62-3035	-
		3" x 12"	48-62-4087	48-62-4187 (25 per box)	48-62-2055	48-62-2155 (25 per box)	48-62-3030	48-62-3130 (25 per box)
	SCRAPING CHISEL 45° cutting angle, scrapes surface rather than breaking material on top	2" x 12"	48-62-4089	-	48-62-2065	-	48-62-3025	-
	SLOTTING TOOL Breaks out the "web" between closely spaced drilled holes to make a large opening.	1-1/4" x 15"	48-62-4073	-	48-62-2060	1-1/2" x 12"	-	-
	SEAM TOOL Removes mortar between brick, or block; cut narrow channels.	1" x 15"	48-62-4080	-	48-62-2080	-	-	-
	BUSHING TOOL - ONE PIECE Removes excess concrete, produces exterior finish, roughens surface before its surface coated	16 Tooth Head 1-3/4" Square x 10-1/2"	48-62-4065	-	48-62-2070	48-62-2170 (15 per box)	48-62-3085	48-62-3185 (15 per box)
	ASPHALT CUTTER Cuts asphalt or hard ground. (DO NOT use for concrete)	5" x 16-1/2"	48-62-4066	-	-	-	48-62-3090	-
	CLAY SPADE Digging clay, hard packed gravel (DO NOT use for concrete)	4-1/2" x 16-5/8"	48-62-4068	48-62-4168 (12 per box)	48-62-2095	-	48-62-3040	48-62-3140 (12 per box)
	GROUND ROD DRIVER Drives soft ground rods. Inside Diameter is .906 inches and 2-3/4" deep socket	9-3/4" Long for Rod Dia. 5/8" & 3/4"	48-62-4091	-	48-62-2046	-	48-62-3070	-
	TAMPER PLATE SHANK Used to mount Tamp Plate to tool	12"	48-62-4092	-	48-62-2097	-	48-62-3065	-
	TAMPER PLATE Compacts dirt, tamping asphalt.	5" x 5"	48-62-3060	-	48-62-3060	-	48-62-3060	-



HEAVY-DUTY DIAMOND CORING MOTORS

SHEAR PIN MODELS

4079
4090
4094



- **SHEAR PIN PROTECTION**
Protects gears and motor against overload. Shear Pins easily replaced. Extra pins included with each unit.



CLUTCH MODELS


4004
4005
4096
4097-20



- **CLUTCH PROTECTION**
Protects gears and motor against overload. Set to specifications at factory, no adjustment necessary.



TWO SPEED DYMODRILL MOTORS FOR USE WITH VAC-U-RIG® AND DYMORIG DIAMOND CORING RIGS

- For Diamond Coring In Reinforced Concrete, Tile, Masonry or Natural Stone
- Dual Torque/Speed Ranges
- All Ball And Roller Bearings
- Triple Reduction Gearing On All Models
- Built-In Water Swivel On All Models
- Cord Equipped With 20.0 Amp Twist Lock Plug; NEMA Plug  Type L5-20P

SPECIFICATIONS

Suggested diameters listed on specific models are for maximum coring efficiency in medium aggregate. Speeds must be adjusted for material conditions.

20.0 AMP MODELS

High performance design provides 4.8 maximum horsepower. Increased power maintains higher coring speed and produces higher torque for maximum core drilling production.

CATALOG NUMBER	VOLTS AC	AMPS	SPINDLE	MOTOR PROTECTION	RPM	SUGG. DIA. IN MEDIUM AGGREGATE	NET WGT. LBS.	SHIP WGT. LBS.
4004	120	20.0*	1-1/4"-7"	CLUTCH	300 600	7"-14" 4"-7"	24.0	31.0
4096	120	20.0*	1-1/4"-7"	CLUTCH	450 900	6"-10" 2"-6"	24.0	31.0
4005	120	20.0*	1-1/4"-7"	CLUTCH	600 1200	4"-7" 3/4"-4"	24.0	31.0
4079	120	20.0*	1-1/4"-7"	SHEAR PIN	300 600	7"-14" 4"-7"	24.0	31.0
4094	120	20.0*	1-1/4"-7"	SHEAR PIN	450 900	6"-10" 2"-6"	24.0	31.0

15.0 AMP MODELS

Cost effective, heavy-duty power. Lower current draw of 15.0 amp motor provides core drilling power where 20 amp service is unavailable.

CATALOG NUMBER	VOLTS AC	AMPS	SPINDLE	MOTOR PROTECTION	RPM	SUGG. DIA. IN MEDIUM AGGREGATE	NET WGT. LBS.	SHIP WGT. LBS.
4097-20	120	15.0*	1-1/4"-7"	CLUTCH	500 1000	3"-5" 1-1/4"-3"	26.0	30.0
4090	120	15.0*	1-1/4"-7"	SHEAR PIN	375 750	5"-8" 2-1/2"-5"	26.0	30.0

*Cord Equipped With 20 Amp Twist Lock Plug; NEMA Plug Type L5-20P.

STANDARD EQUIPMENT: All Models Include: Built-in Water Swivel, Adapter To Receive Standard Water Hose, Water Control Valve And Open End Wrench For Holding Output Spindle While Removing Bits. **Shear Pin Models:** Same As Above, Plus Six Extra No. 44-60-0032 Hardened Shear Pins.

ACCESSORIES

HARDENED SHEAR PIN

44-60-0032 Standard Equipment

TYPE "J" GREASE FOR ALL TWO SPEED MODELS

49-08-4220 1 lb. can

1-3/8" OPEN END WRENCH

49-96-4700

3/16" SOCKET WRENCH

49-96-0085 For mounting DYMODRILLS to cradle of VAC-U-RIG.

SPACER WITH KEY

49-67-0050

For rigs Nos. 4114, 4119 and 4104 only. Allows use of bits through 10" diameter. Spacer 1" thick, fits between cradle of Rig and Drill. Four mounting screws are included.



HEAVY-DUTY DIAMOND CORING BITS AND ACCESSORIES

HEAVY-DUTY PREMIUM SERIES CORE BITS

NOMINAL BIT SIZE O.D.	CATALOG NUMBER	‡ THREAD SIZE
3/4"	48-16-0756	5/8"-11‡
7/8"	48-16-0876	5/8"-11‡
1"	48-16-1006	5/8"-11‡
1-1/4"	48-16-1260	5/8"-11‡
1-1/2"	48-16-1506	5/8"-11‡
2"	48-16-2013	1-1/4"-7
2-1/2"	48-16-2513	1-1/4"-7
2-3/4"	48-16-2756	1-1/4"-7
3"	48-16-3013	1-1/4"-7
3-1/2"	48-16-3511	1-1/4"-7
4"	48-16-4013	1-1/4"-7
4-1/2"	48-16-4506	1-1/4"-7
5"	48-16-5013	1-1/4"-7
6"	48-16-6013	1-1/4"-7
7"	48-16-7006	1-1/4"-7
8"	48-16-8006	1-1/4"-7
9"	48-16-9006	1-1/4"-7
10"	48-16-9506	1-1/4"-7
12"	48-16-9605	1-1/4"-7
14"	48-16-9705	1-1/4"-7



Milwaukee Premium Series Diamond Coring Bits are designed to offer exceptional drilling life and speed in cured concrete with hard aggregate and medium steel reinforcement. Segments are laser welded to the tube. By popular demand of professional coring specialists, larger bits include silver brazed segments.

HEAVY-DUTY CONTRACTOR SERIES CORE BITS

NOMINAL BIT SIZE O.D.	CATALOG NUMBER	‡ THREAD SIZE
2"	48-16-2007	1-1/4"-7
2-1/2"	48-16-2507	1-1/4"-7
3"	48-16-3007	1-1/4"-7
3-1/2"	48-16-3507	1-1/4"-7
4"	48-16-4007	1-1/4"-7
4-1/4"	48-16-4257	1-1/4"-7
5"	48-16-5007	1-1/4"-7
6"	48-16-6007	1-1/4"-7



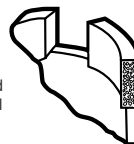
The diamond matrix is optimized to provide value for coring fewer holes in cured concrete with no reinforcement or with small diameter steel mesh and rebar. All segments are laser welded to the tube.

HEAVY-DUTY PRE-STRESSED SERIES CORE BITS

NOMINAL BIT SIZE O.D.	CATALOG NUMBER	‡ THREAD SIZE
1"	48-16-1007	5/8"-11‡
1-1/2"	48-16-1507	5/8"-11‡
2"	48-16-2014	1-1/4"-7
2-1/2"	48-16-2514	1-1/4"-7
3"	48-16-3014	1-1/4"-7
3-1/2"	48-16-3512	1-1/4"-7
4"	48-16-4014	1-1/4"-7
4-1/2"	48-16-4507	1-1/4"-7
5"	48-16-5014	1-1/4"-7
6"	48-16-6014	1-1/4"-7



These bits are designed specifically for the extra demands of drilling pre-stressed concrete. Segment reduces the risk of bit damage from pre-stressed steel and allows for the higher rpm necessary for a trouble free cut. The segments are silver brazed into a notched tube to offer exceptional segment support.



Segments are notched into tube for additional holding strength

‡ NOTE – Check core bit thread size against the motor spindle thread size. Use thread adapter 48-04-0160 if necessary.

MILWAUKEE Diamond Coring Bits

"Dymbobits" are designed to optimize drilling performance over a broad range of applications. We define drilling performance as the best balance of speed, life and overall drilling costs. State-of-the-art manufacturing techniques and the latest diamond matrix technology result in a complete line of bits to meet your most demanding requirements.

- **For Wet Diamond Coring In Cured Concrete, Reinforced Concrete And Pre-stressed Concrete**
- **14 Inch Coring Depth.**
- **Segments Widths Provide Interior And Exterior Clearance For Easy Bit And Core Removal**
- **1-1/4"-7 Threads**
For bits 2 inches and larger for direct connection to Milwaukee Dymodrill motors.
- **5/8"-11 Threads**
For bits under 2 inches (use 48-04-0160 thread adapter)

ACCESSORIES

THREADED ADAPTER

48-04-0160 Reduces thread size of 1-1/4"-7 to 5/8"-11 for diamond core bits and extensions.



COPPER SPINDLE SPACER

45-88-8565 Minimizes friction lock.

3/16" SOCKET WRENCH

49-96-0085 For mounting DYMODRILLS to cradle.

1-3/8" OPEN END WRENCH

49-96-4700 For use with DYMODRILLS. Also for threaded adapters and bit extensions.

SPACER ASSEMBLIES

49-67-0110 For use with models 4125, 4130 and 4136. Mounts between cradle and DYMODRILL motor to increase DYMO-RIG bit capacity from 10" to 14". Net wt. 3 lbs. Ship. wt. 5 lbs.



49-67-0050 For use with previous DYMO-RIG models 4104, 4114 and 4119. Spacer 1" thick, mounts between cradle and DYMODRILL motor. Allows use of bits thru 10" diameter.

49-67-0115 For use with models 4115, 4120, 4115-21, 4115-22, 4120-21 and 4120-22 to increase bit capacity from 10" to 14". Net wt. 3.5 lbs. Ship. wt. 5.5 lbs.

BIT EXTENSIONS

48-95-1500 **9" BIT EXTENSION**
Extension threaded on both ends with 1-1/4"-7 thread, for use with Diamond Core Bits over 2" diameter with 1-1/4"-7 thread. Extension mounts directly to DYMODRILL – up to two can be coupled together for extended coring.



48-95-2100 **10-1/2" BIT EXTENSION**
Extension threaded on both ends with 5/8"-11 thread, for use with 1-1/4" and 1-1/2" diameter Diamond Core Bits with 5/8"-11 thread. Extension requires 48-04-0160 threaded adapter for mounting to DYMODRILLS – up to two can be coupled together for extended coring.





HEAVY-DUTY DIAMOND CORING RIGS

FOR USE WITH DIAMOND CORING MOTORS

4136

• VAC-U-RIG® DIAMOND CORING RIG



FOR DIAMOND CORING IN REINFORCED CONCRETE, TILE, MASONRY OR NATURAL STONE

4136 AND 4130 FEATURES:

- Large Base With Wheels, Four Leveling Screws, Adjustable Tilting Column, Cradle For Motor Mounting, Four Spoke Wheel Feed Control, Bubble Level And Jack Screw
- Base Can Be Floor Or Wall Mounted With Bolt Type Anchor
- Column Also Accepts Small Base Assembly No. 48-10-0080

EXCLUSIVE 4136 FEATURES

- Includes Vacuum Pump, Pad And Meter Box

4125 FEATURES

- Small Base For Drilling In Confined Spaces
For more support, small base can be used with vacuum pad; 49-22-7100, or replaced with large base assembly, converting into 4130 DYMO-RIG.

4130

• DYMO-RIG DIAMOND CORING RIG



4125

• DYMO-RIG DIAMOND CORING RIG



Right Or Left Handed Operation

Four spoke wheel feed control and meter box mount on either side of cradle for right or left handed operation. Meter box rotates 360°. Can mount facing the front or the back of rig for clear viewing.

Angle Drilling

Columns can be set at any angle up to 45° when angle drilling is required.



SPECIFICATIONS

CATALOG NUMBER	COLUMN HEIGHT	NET WEIGHT LBS.	SHIPPING WEIGHT LBS.
4136	47"	106.0	129.0
4130	47"	82.5	103.5
4125	47"	71.0	92.0

STANDARD EQUIPMENT: FOR 4136 VAC-U-RIG – 4130 DYMORIG, 30 Amp Meter Box No. 48-51-0100* and VAC-U-RIG Assembly 49-50-0200 and Pad Assembly 49-22-7100. FOR 4130 – DYMORIG With Large Base. FOR 4125 – DYMORIG With Small Base.

* In Canada, a 20 amp meter box, No. 48-51-0120 is supplied.



HEAVY-DUTY DIAMOND CORING RIGS



4115

- **CONTRACTOR SERIES**
SMALL BASE STAND ONLY



4120

- **CONTRACTOR SERIES**
LARGE BASE CORING
STAND WITH VACUUM BASE

CONTRACTOR AND CONTRACTOR-PLUS SERIES

- Lightweight, Portable Coring Stands For The Contractor With Heavyweight Applications
- Choose Just The Basic Or A Complete Stand From This New Contractor Series Of Diamond Coring Stands
- Cast Aluminum Base With 4 Leveling Screws For Fast Accurate Leveling Adjustment
- Durable Precision-Ground 2-1/2" Steel Column, 43-1/2" High
- Rear Mounted Rack And Pinion Feed
- Jackscrew For Ceiling And Backwall Bracing
- Reversible Feed Handle
- Locking Carriage
- Heavy-Duty, Solid Rubber 5" Wheels
- Universal Motor Adapter Plate



4115-22

- **CONTRACTOR-PLUS SERIES**
SMALL BASE STAND (4115) WITH VAC-U-PUMP ASSEMBLY (49-50-0200), VACUUM PAD ASSEMBLY (49-22-7100), METER BOX (48-51-0120) AND MODEL 4096 DIAMOND CORING MOTOR



4120-22

- **CONTRACTOR-PLUS SERIES**
LARGE BASE STAND (4120) WITH VAC-U-PUMP ASSEMBLY (49-50-0200), METER BOX (48-51-0120) AND MODEL 4096 DIAMOND CORING MOTOR

ACCESSORIES



VAC-U-PUMP ASSEMBLY

- 49-50-0200 Vacuum pump and mounting bracket 42-36-0200.

VACUUM PAD ASSEMBLY

- 49-22-7100 For 4115-21 and 4115-22.

METER BOX

- 48-51-0120 20.0 Amp Plug.

SPECIFICATIONS

CONTRACTOR SERIES		
CATALOG NUMBER	4115	4120
NET WGT. LBS.	54.0	67.0
SHIP WGT. LBS.	62.0	75.0

CONTRACTOR-PLUS SERIES		
CATALOG NUMBER	4115-22	4120-22
NET WGT. LBS.	111.5	115.3
SHIP WGT. LBS.	139.8	137.8



HEAVY-DUTY DIAMOND CORING ACCESSORIES



METER BOXES

48-51-0100* 30 AMP 120 VOLT
Supplied with No. 4136. Ammeter and power switch on front panel receptacle for motor's plug. One outlet also located on back of unit.

NET WEIGHT 4.8 lbs.
SHIPPING WEIGHT 6 lbs.
* Not Available in Canada.

48-51-0120 20 AMP 120 VOLT
Supplied with Nos. 4115-22, and 4120-22. Also available as an accessory. Ammeter and power switch on front panel with single 20 amp twist lock receptacle for drill motor's plug.

NET WEIGHT 3.8 lbs.
SHIPPING WEIGHT 5.3 lbs.



VACUUM PAD ASSEMBLY (Single Pad)

49-22-7100 For use with models with detachable vacuum pads 4115, 4125, 4130 and 4136. Single vacuum pad which provides approximately 1800 lbs. of holding force. Same as supplied with Nos. 4136 VAC-U-RIG®, 4115-22 and 4120-22.

NET WEIGHT 8.8 lbs.
SHIPPING WEIGHT 13 lbs.



WATER TANK

49-76-0055 3-1/2 gallon heavy-duty, impact resistant poly tank. For use where a regular tap water supply is not available.

SHIPPING WEIGHT 4 lbs.



LARGE BASE ASSEMBLY

48-10-0090 Large base is included with Nos. 4130 and 4136. Can be used with No. 4125 for greater support. Includes two wheels and four leveling screws.

LARGE BASE DIMENSIONS (Less Wheels) 13-1/4" x 17-1/8"

NET WEIGHT 33.5 lbs.
SHIPPING WEIGHT 37.5 lbs.



SMALL BASE ASSEMBLY

48-10-0080 Small base is included with No. 4125 and can be used with Nos. 4130 and 4136. Works well in restricted areas. Includes two wheels and four leveling screws.

SMALL BASE DIMENSIONS (Less Wheels) 7-1/4" x 13"

NET WEIGHT 22 lbs.
SHIPPING WEIGHT 26 lbs.



VACUUM PUMP ASSEMBLY

49-50-0200 115 VOLT
Heavy-duty 1/3 H.P. pump complete with vacuum gauge, air filter, air hose and cord. May be mounted to base of unit if desired. Same as furnished with Nos. 4115-22 and 4120-22. Can be used with No. 4120 and 4136.
RECOMMENDED ONLY FOR SINGLE PAD USE

NET WEIGHT 19.5 lbs.
SHIPPING WEIGHT 26.5 lbs.

FITTING FOR VACUUM
CLEANER HOSE



RING

WATER COLLECTING RING

48-70-0060 For use where water flow from drilling operation must be trapped and drained. Dike-type collector ring holds water for fast disposal when used with bits up to 10" in diameter. A built-in vacuum hose fitting permits use with a wet or dry vacuum cleaner.

SHIPPING WEIGHT 8.8 lbs.

COLLECTOR RING GASKET

43-44-0660 Replacement gasket for 48-70-0060.

WATER HOSE

49-18-0055 5/8" I.D. x 8'
8 foot water hose with standard brass male and female water hose fittings.

SHIPPING WEIGHT 1.8 lbs.



HEAVY-DUTY 11.0 AMP ORBITAL SUPER SAWZALL® KIT

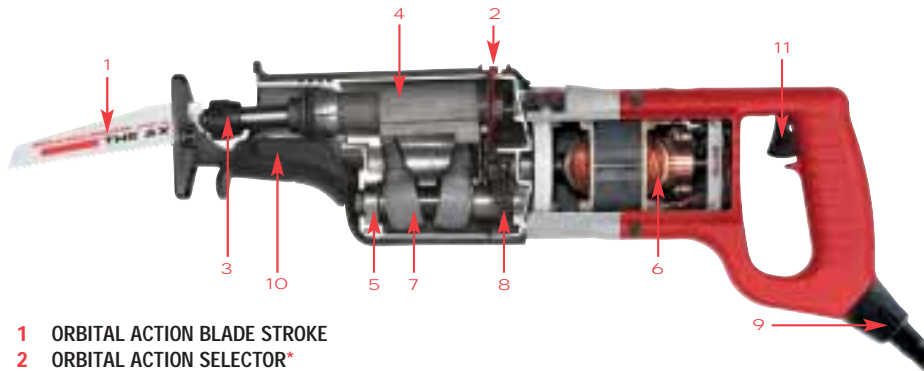
ORBITAL ACTION



6521-21



**FASTEST CUTTING
POWERFUL 11.0 AMPS
0-3200 SPM!**



- 1 ORBITAL ACTION BLADE STROKE
- 2 ORBITAL ACTION SELECTOR*
- 3 HEAVY-DUTY STEEL QUIK-LOK™ BLADE CLAMP™ SYSTEM*
- 4 SMOOTH COUNTER-BALANCED MECHANISM*
- 5 PRECISION BALL AND ROLLER BEARINGS
- 6 POWERFUL 11 AMP, 3,200 SPM MILWAUKEE-BUILT MOTOR
- 7 HEAVY-DUTY STEEL DOUBLE WOBBLE PLATE MECHANISM*
- 8 GEAR PROTECTING CLUTCH*
- 9 QUIK-LOK® CORD
- 10 NEW KEYLESS ADJUSTABLE SHOE*
- 11 VARIABLE SPEED SWITCH



■ **Orbital Action Selector***
Allows the user to set the degree of orbital action.



■ **Heavy-Duty Steel Quik-Lok™ Blade Clamp System***

- Fast easy blade changes with no hex key to lose.
- Blades may be clamped upside down.
- Accepts standard 1/2" shank Sawzall blades.
- Return spring* forces spindle outward so blade clamp is accessible.

■ **Gear Protecting Clutch***



Unique gear clutch absorbs high impact forces caused by sudden blade lock-ups. Extends life of tool in extreme cutting applications.

■ **Counter Balance Mechanism***



Anti-Vibration System. Smoothest operating, most vibration free saw in the world.

■ **1-1/4" Blade Stroke & Orbital Blade Stroke**
For fastest cutting in thick materials.

■ **Heavy-Duty Double Bearing Wobble Plate Mechanism* For Extra Long Life**

■ **Powerful Milwaukee Built Motor**

■ **Orbital Action Selector***
Allows the user to set the degree of orbital versus straight reciprocating action.

■ **Trigger Speed Control**

■ **Dial Speed Selector Switch***
Matches the correct speed with application for improved control.



■ **Shoe Release Lever***
Adjusts shoe without use of tools. Allows more efficient use of blade and depth-of-cut control.

■ **Pivot Shoe* For Maximum Support Against Work Surface**

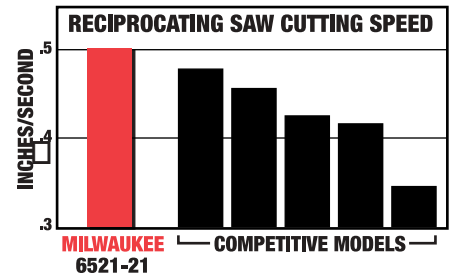
■ **Reversible Blade Mounting for Flush Cuts**

■ **Rubber Boot For Superior Gripping and Operator Comfort**

■ **All Ball And Roller Bearings**

■ **Quik-Lok® Cord**
Instant field repair and safe replacement. Tool comes with 2-wire, 10'-16 gauge construction cord No. 48-76-5010. A 25' cord No. 48-76-5025 is also available.

*Patented



Source: Professional Service Industries, Inc.
Note: Speed of cut in 1-1/8" particle board – 3 sheets clamped together

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	STROKES PER MINUTE	STEEL QUIK-LOK BLADE CLAMP	IMPACT PROTECTION	LENGTH OF STROKE	OVERALL LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6521-21	120	11.0	0-3200	YES	YES	1-1/4"	18-1/8"	8.9	14.5

STANDARD EQUIPMENT: FOR 6521-21 – Includes Orbital Sawzall with Heavy-Duty Steel Quik-Lok Blade Clamp, Impact Resistant Carrying Case, 10' 2-Wire Quik-Lok Cord and One Wood Cutting Sawzall Blade And One Metal Cutting Sawzall Blade.



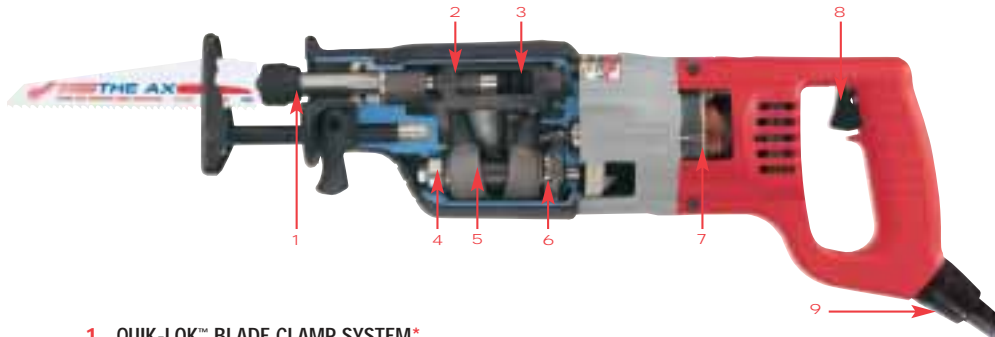
HEAVY-DUTY SUPER SAWZALL® KIT



6537-22



10 AMP MOTOR
0-3200 SPM
QUIK-LOK BLADE CLAMP™



- 1 QUIK-LOK™ BLADE CLAMP SYSTEM*
- 2 SMOOTH COUNTER-BALANCED MECHANISM*
- 3 BLADE CLAMP RETURN SPRING*
- 4 PRECISION BALL AND ROLLER BEARINGS
- 5 HEAVY-DUTY DOUBLE BEARING WOBBLE PLATE MECHANISM*
- 6 GEAR PROTECTING CLUTCH*
- 7 POWERFUL 10 AMP MILWAUKEE-BUILT MOTOR
- 8 VARIABLE SPEED SWITCH
- 9 QUIK-LOK® CORD



HIGH PERFORMANCE

- **Counter Balance Mechanism***
Anti-Vibration System smoothest operating, most vibration free saw in the world.



- **Gear Protecting Clutch***



Unique gear clutch absorbs high impact forces caused by sudden blade lock-ups. Extends life of tool in extreme cutting applications.

- **Powerful Milwaukee Built Motor**

- **Trigger Speed Control**

- **Dial Speed Selector Switch***
Matches the correct speed with application for improved control.



- **Shoe Release Lever***

Adjusts shoe without use of tools. Allows more efficient use of blade and depth-of-cut control.

- **Pivot Shoe For Maximum Support Against Work Surface**

- **Heavy-Duty Double Bearing Wobble Plate Mechanism* For Extra Long Life**

- **Rubber Boot For Superior Gripping And Operator Comfort**



- **Heavy-Duty Steel Quik-Lok™ Blade Clamp System***

- Fast easy blade changes with no hex key to lose.
- Blades may be clamped upside down.
- Accepts standard 1/2" shank Sawzall blades.
- Return spring* forces spindle outward so blade clamp is accessible.

*Patented

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	STROKES PER MINUTE	STEEL QUIK-LOK BLADE CLAMP	IMPACT PROTECTION	LENGTH OF STROKE	OVERALL LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6537-22	120	10.0	0-3200	YES	YES	1-1/4"	17-7/8"	8.8	14.4

STANDARD EQUIPMENT: FOR 6537-22 – Includes Super Sawzall with Steel Quik-Lok Blade Clamp, Impact Resistant Carrying Case, 8' 3-Wire Quik-Lok Cord, One Wood Cutting Sawzall Blade And One Metal Cutting Sawzall Blade.



HEAVY-DUTY SAWZALL® KIT

WORLD'S LONGEST LASTING RECIPROCATING SAWS

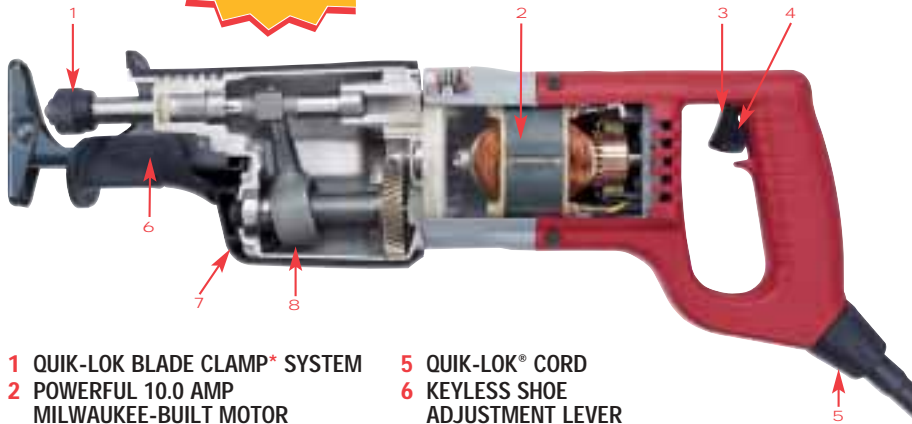


6519-22



10.0 AMP MOTOR
1-1/8" BLADE STROKE

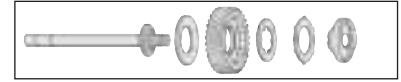
INCLUDES GEAR PROTECTING CLUTCH*



- 1 QUIK-LOK BLADE CLAMP* SYSTEM
- 2 POWERFUL 10.0 AMP MILWAUKEE-BUILT MOTOR
- 3 FULL WAVE SWITCH FOR SMOOTHER OPERATION
- 4 TRIGGER SPEED CONTROL FOR THE BEST OPERATOR CONTROL
- 5 QUIK-LOK® CORD
- 6 KEYLESS SHOE ADJUSTMENT LEVER
- 7 RUBBER BOOT FOR SUPERIOR GRIPPING
- 8 HEAVY-DUTY DOUBLE BEARING WOBBLE PLATE MECHANISM

AVAILABLE CORDLESS
SEE PAGE 17 FOR 18V SAWZALL

- 1-1/8" Blade Stroke
- Exclusive Gear Protecting Clutch*



Unique gear clutch absorbs high impact forces caused by sudden blade lock-ups. Extends life of tool in extreme cutting applications.

- Shoe Release Lever*
Adjusts shoe without use of tools. Allows more efficient use of blade and depth-of-cut control.



- Pivot Shoe for Maximum Support Against Work Surface
- 0-2800 Strokes Per Minute With Trigger Speed Control

- Powerful 10.0 Amp Milwaukee-Built Motor
- 8' 3-Wire Quik-Lok® Cord
Instant field repair and safe replacement.



- Easy Plunge Cutting With No Starting Hole
- Reverse the Blade for Cutting Upside Down in Confined Areas

- Textured Rubber Boot For Superior Gripping And Operator Comfort
- All Ball And Roller Bearings



- Heavy-Duty Steel Quik-Lok™ Blade Clamp System*
 - Fast easy blade changes with no hex key to lose.
 - Blades may be clamped upside down.
 - Accepts standard 1/2" shank Sawzall blades.

*Patented



Ideal for plunge cutting, pipe cutting and demolition into metal, wood, fiberglass, cast iron and many other materials.

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	LENGTH OF STROKE	STROKES PER MINUTE	OVERALL LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6519-22	120	10.0	1-1/8"	0-2800	17.9"	7.0	11.3

STANDARD EQUIPMENT: FOR 6519-22 – 8' 3-Wire Quik-Lok Rubber Cord, Impact Resistant Carrying Case 48-55-1503, One Wood Cutting Sawzall Blade And One Metal Cutting Sawzall Blade.



HEAVY-DUTY SAWZALL-THE HATCHET® KIT

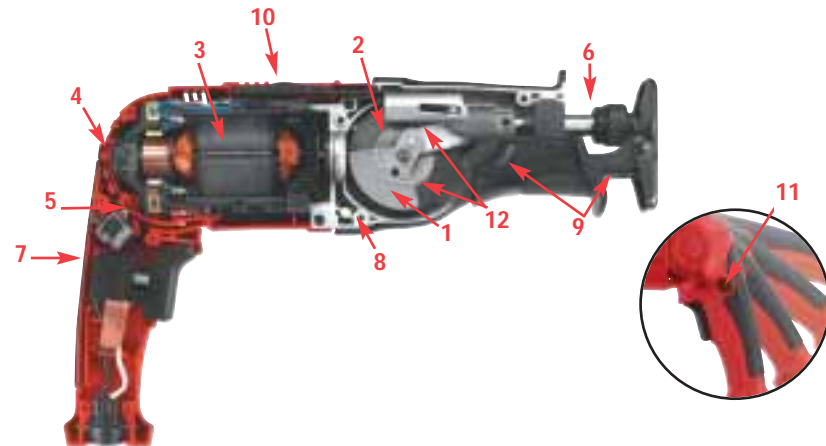


**6-Position
Pivoting
Handle****

6524-21



**EASILY FITS
BETWEEN 16" ON
CENTER STUDS**



- 1 COUNTER BALANCED MECHANISM
- 2 DURABLE CRANKSHAFT RECIPROCATING MECHANISM
- 3 HEAVY-DUTY MILWAUKEE-BUILT MOTOR
- 4 DOUBLE-WALLED PIVOTING-HANDLE DETENTS
- 5 METAL CAM LOCK
- 6 STEEL KEYLESS QUIK-LOK™ BLADE CLAMP*
- 7 CUSHION-GRIP HANDLE
- 8 ALL METAL GEARCASE
- 9 KEYLESS ADJUSTABLE PIVOTING SHOE*
- 10 ORBITAL ACTION SELECTOR SWITCH*
- 11 EASILY ACCESSIBLE PUSH-BUTTON HANDLE ADJUSTMENT
- 12 STEEL CONNECTING ROD AND STEEL GEAR

- **6-Position Pivoting Handle**** – Built For Tight Spaces, Fits between 16" on center studs, joists, and other confined spaces.
- **Legendary Sawzall® Durability** – Lasts longer, best value.
- **Heavy-Duty Steel Quik-Lok™ Blade Clamp System***
Fast easy blade changes with no hex key to lose. Blades may be clamped upside down. Accepts standard 1/2" shank Sawzall blades.
- **3,000 SPM, Orbital Action****
Fast cutting, less time on the job.
- **Steel Connecting Rod And Steel Gear**
Strengthens the mechanism allowing this tool to withstand impacts and lengthen the life of the tool.
- **Variable Speed Trigger**
- **Cushion Grip Handle**
- **Counter Balanced**
For smooth operation, less vibration.
- **Keyless Shoe Release Lever***
Adjusts shoe without use of tools. Allows more efficient use of blade and depth-of-cut control.
- **10' 2-Wire, Double Insulated Quik-Lok® Cord**
Instant field repair and safe replacement.
- **3/4" Stroke Length**
Ideal for pipe cutting and cutting in tight spaces.
- **7.5 Amp Milwaukee-Built Motor**
- **Felt Seal And No Countersunk Area Where Spindle Exits The Gear Case**
Less contamination, no pooling of water, ideal for plumbers concerned about rust.
- **Impact Resistant Carrying Case With On Board Blade Storage**



*Patented **Patent Pending



**AVAILABLE
CORDLESS**
SEE PAGE 16 FOR 18V
SAWZALL-THE HATCHET®
RECIP SAW

ACCESSORIES

IMPACT RESISTANT CARRYING CASE
48-55-6524 Standard equipment with the 6524-21 kit. Case features on board blade storage. 6524-21 Sawzall – The Hatchet® can be stored in the case in 3 different handle articulations.

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	LENGTH OF STROKE	STROKES PER MINUTE	LENGTH STRAIGHT	LENGTH PIVOTED	NET WGT. LBS.	SHIP. WGT. LBS.
6524-21	120	7.5	3/4"	0-3,000	19.3"	13.5	6.7	11.0

STANDARD EQUIPMENT: 10' Two-Wire Quik-Lok® Rubber Cord, Impact Resistant Carrying Case, One Wood Cutting Sawzall Blade And One Metal Cutting Sawzall Blade.



HEAVY-DUTY SAWZALL® KITS

WORLD'S LONGEST LASTING RECIPROCATING SAWS



6509-20

• VARIABLE SPEED 0-2800 SPM



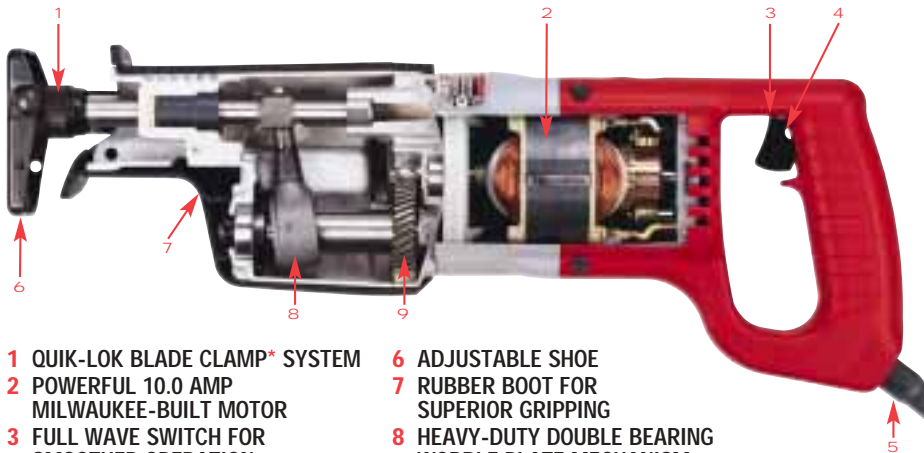
6509-22 (KIT)

• VARIABLE SPEED 0-2800 SPM



10.0 AMP MOTOR
QUIK-LOK™
BLADE CLAMP

- Legendary Sawzall Durability
- New More Powerful 10.0 Amp Motor
- Lightweight - Only 7.0 Pounds
- 0-2800 Strokes Per Minute With Trigger Speed Control
- Adjustable Pivot Shoe
Allows more efficient use of blade and depth-of-cut control.
- Easy Access To Pivot Shoe Adjusting Screws
- Cuts:
 - Wood & Nail Embedded Wood
 - Steel, Cast Iron, Aluminum & Brass
 - Drywall, Plaster & Composition Materials
 - Hard Rubber, Cement, Brick & Fiberglass
- No Starting Hole Needed For Plunge Cuts Into Floors Or Walls
- Heavy-Duty Cord Positioned For Easier Plunge Cutting
- All Ball And Roller Bearings



- | | |
|---|---|
| <p>1 QUIK-LOK BLADE CLAMP* SYSTEM</p> <p>2 POWERFUL 10.0 AMP MILWAUKEE-BUILT MOTOR</p> <p>3 FULL WAVE SWITCH FOR SMOOTHER OPERATION</p> <p>4 TRIGGER SPEED CONTROL FOR THE BEST OPERATOR CONTROL</p> <p>5 8' 2-WIRE RUBBER CORD</p> | <p>6 ADJUSTABLE SHOE</p> <p>7 RUBBER BOOT FOR SUPERIOR GRIPPING</p> <p>8 HEAVY-DUTY DOUBLE BEARING WOBBLE PLATE MECHANISM</p> <p>9 LARGER GEAR FOR INCREASED DURABILITY</p> |
|---|---|



- Heavy-Duty Steel Quik-Lok Blade Clamp System*
 - Fast easy blade changes with no hex key to lose.
 - Blades may be clamped upside down.
 - Accepts standard 1/2" shank Sawzall blades.

*Patented

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	LENGTH OF STROKE	STROKES PER MINUTE	OVERALL LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6509-20	120	10.0	3/4"	0-2800	17.3"	7.0	7.8
6509-22	120	10.0	3/4"	0-2800	17.3"	7.0	11.3

STANDARD EQUIPMENT: FOR 6509-20 – 8' Two-Wire Rubber Cord, One Wood Cutting Sawzall Blade And One Metal Cutting Sawzall Blade. FOR 6509-22 – 8' Two-Wire Rubber Cord, Impact Resistant Carrying Case, One Wood Cutting Sawzall Blade And One Metal Cutting Sawzall Blade.



THEY DEPEND ON YOU,
YOU DEPEND ON
US – MILWAUKEE

WHEN SECONDS
MAKE THE DIFFERENCE



HEAVY-DUTY FIRE AND RESCUE SAWZALL® KITS



6515-99 (KIT)



Includes
**Two 2.4 A-H
Batteries**
Plus 10 Ax and
10 Torch Blades



6521-99 (KIT)

• **ADJUSTABLE SHOE
RELEASE LEVER***



Includes
25' Cord!
Plus 10 Ax and
10 Torch Blades

6515-99 18 VOLT CORDLESS SAWZALL EXCLUSIVE FEATURES

- Powerful 18V Rare Earth Motor
- Trigger Speed Control, 0-2,700 SPM,
- Two 2.4 Amp-Hr Batteries
- Universal Charger Recharges Batteries in 1 Hour
- Cuts Through A-Pillars And Roofs With Ease
- Fully Serviceable Replaceable Brushes

6521-99 ORBITAL SUPER SAWZALL® EXCLUSIVE FEATURES

- Powerful 11.0 Amp Motor.
- Trigger Speed Control, 0-3,200 SPM.
- Adjustable Orbital Blade Action For Aggressive Cuts
- Counter Balance Mechanism* (Anti-Vibration System) For Smooth Vibration Free Operation
- Gear Protection Clutch* Absorbs High Impact Forces Caused By Sudden Blade Lock-Ups
- Dial Speed Selector Switch* For Matching The Correct Speed To Application
- Heavy-Duty Tool Steel Wobble Plate Mechanism* For Extra Long Life
- 25', Two-Wire Quik-Lok® Cord Set Extra long for extended AC power range/reach. Instant field repair and replacement.



SAWZALL FIRE & RESCUE KITS COMMON FEATURES

- **Steel Quik-Lok™ Blade Clamp***
For fast easy blade changes with no hex key to lose or screws to strip. Blades may be clamped upside down. Accepts standard 1/2" shank Sawzall blades
- **Reverse The Blade For Cutting Upside Down In Confined Areas Or For Flush Cuts**
- **Accepts Standard 1/2" Shank Sawzall Blades**
- **Pivot Shoe For Maximum Work Surface Support.**
- **Two 5-Packs Each Of The Ax™ And The Torch® Demolition Blades**



*Patented

SPECIFICATIONS

CATALOG NUMBER	NO. OF BATTERIES	BATTERY CAPACITY AMP-HRS	AMPS	VOLTS	LENGTH OF BLADE STROKE	STROKES PER MINUTE	OVERALL LENGTH	NET WEIGHT (LBS.)	SHIP WEIGHT (LBS.)
6515-99	2	2.4	-	18 DC ONLY	1"	0-2700	18.1/4"	8.3	22.2
6521-99	-	-	11.0	120 AC ONLY	1-1/4"	0-3200	18-1/8"	8.9	21.9

STANDARD EQUIPMENT: FOR 6515-99 – Includes Power-Plus Sawzall with Heavy-Duty Steel Quik-Lok Blade Clamp, Power-Plus One-Hour Universal Charger, Two 48-11-2230 2.4 Amp-Hr 18 Volt Power-Plus Batteries, Ax Blade Demolition Pack 48-00-5021 & 48-00-5026, Torch Blade Demolition Pack 48-00-5782 & 48-00-5787 and Impact Resistant Carrying Case 48-55-3050. **FOR 6521-99** – Includes Orbital Sawzall with Heavy-Duty Steel Quik-Lok Blade Clamp, Impact Resistant Carrying Case 48-55-6510, 25' 2-Wire Quik-Lok Cord 48-76-5025, Ax Blade Demolition Pack 48-00-5021 & 48-00-5026 and Torch Blade Demolition Pack 48-00-5782 & 48-00-5787

ACCESSORIES

18 VOLT BATTERY PACK

48-11-2230 18 Volt, 2.4 Amp-Hr



ONE-HOUR UNIVERSAL CHARGER

48-59-0255 Charges 18 Volt 2.0 Amp-Hr batteries in 1 hour. Compatible with ALL Milwaukee slide-on style batteries.



ONE-HOUR VEHICLE CHARGER

48-59-0186 Plugs into vehicle's cigarette lighter. Compatible with ALL Milwaukee slide-on style batteries.

CARRYING CASES

48-55-3050 Case is designed to fit the 6515-99 18 Volt Sawzall®
48-55-6510 Case is designed to fit the 6521-99 Orbital Super Sawzall®



25' 2-WIRE QUIK-LOK® CORD

48-76-5025 Quick detachment from tool for tangle free carrying and storage. Instant field repair. Tool comes with 2-wire, 25'-16 gauge Quik-Lok with twist lock plug construction cord.





HEAVY-DUTY HIGH PERFORMANCE SAWZALL® RESCUE AND DEMOLITION BLADES

- 1/2" UNIVERSAL BLADE TANG FITS IN ALL SAWZALLS®
- BI-METAL CONSTRUCTION INCREASES BLADE LIFE. BLADES DO NOT SHATTER
- MATRIX II TEETH WITH 8% COBALT.
- UNIFORM GULLET DEPTH
- BLADE REVERSIBLE IN CLAMP

TEETH RECOMMENDATIONS See "RECOMMENDED FOR CUTTING" for proper blade selection	T.P.I.	STOCK THICKNESS	T.P.I.	STOCK THICKNESS	T.P.I.	STOCK THICKNESS
	4/6	For cutting stock 1/2" and above	8/12	For cutting stock 1/4" thru 3/8"	14	For cutting stock 3/16" thru 1/4"
	5/8 • 6 • 7	For cutting stock 3/8" and above	10 10/14		18	For cutting stock 1/8" thru 3/16"
				24	For cutting stock below 1/8"	

WOOD	NAIL EMBEDDED WOOD	PRUNING	METAL CUTTING	SCROLL CUTTING	PASTER & DRYWALL CUTTING	PVC & PLASTIC	CERAMIC TILE	FIRE/RESCUE & DEMOLITION	FIBERGLASS

CAT. NO. 5 PER PACK	CAT. NO. 25 PER BOX	CAT. NO. 100 PER BOX	TEETH PER INCH	LENGTH x WIDTH x THICKNESS	RECOMMENDED FOR CUTTING:
<p>WOOD W/ NAILS, DEMOLITION BI-METAL USA THE AX 1.8" TANG</p>					WOOD, NAIL EMBEDDED WOOD, RESCUE AND DEMOLITION
48-00-5021	48-00-8021	48-01-7021	5/8	6 x 1.0 x .062	Cutting wood, nail embedded wood, demolition work. Excellent for plunge cutting into wood and nail embedded without buckling blades.
48-00-5026	48-00-8026	48-01-7026	5/8	9 x 1.0 x .062	
48-00-5027	48-00-8027	—	5/8	12 x 1.0 x .062	
<p>1/8" - 3/16" METAL CUTTING BI-METAL USA THE TORCH 1.8" TANG</p>					REMODELING, RESCUE AND DEMOLITION
48-00-5712	48-00-8712	—	10	6 x 1.0 x .042	Metal 3/16" thru 1/4", channels, metal pipe, cast iron, demolition, rescue and remodeling.
48-00-5713	48-00-8713	—	10	9 x 1.0 x .042	
48-00-5782	48-00-8782	48-01-7782	14	6 x 1.0 x .042	Metal 3/16" thru 1/4", channels, metal pipe, cast iron, demolition, rescue and remodeling.
48-00-5784	48-00-8784	48-01-7784	18	6 x 1.0 x .042	
48-00-5787	48-00-8787	—	14	9 x 1.0 x .042	Metal 1/8" thru 3/16", conduit, tubing, channels, pipe, rubber, fiber, demolition, rescue and remodeling
48-00-5788	48-00-8788	—	18	9 x 1.0 x .042	
48-00-5789	48-00-8789	—	18	12 x 1.0 x .042	
<p>3/16" - 1/4" METAL CUTTING BI-METAL USA THE TORCH 1.8" TANG</p>					REMODELING, RESCUE AND DEMOLITION
48-00-5795	48-00-8795	—	14	9 x 1.0 x .062	Metal 3/16" thru 1/4", channels, metal pipe, cast iron, demolition, rescue and remodeling.
48-00-5798	48-00-8798	—	18	9 x 1.0 x .062	
<p>NEW ALL-PURPOSE DEMOLITION BI-METAL USA THE WRECKER 1.8" TANG</p>					REMODELING, RESCUE AND DEMOLITION
48-00-5700	48-00-8700	—	8	6 x 1.0 x .062	All woods, nail embedded wood, composition material, plastic, light gauge non-ferrous metals and aluminum.
48-00-5705	48-00-8705	—	8	9 x 1.0 x .062	
48-00-5710	48-00-8710	—	8	12 x 1.0 x .062	
<p>NEW ALL-PURPOSE DEMOLITION BI-METAL USA THE WRECKER 1.8" TANG</p>					REMODELING, RESCUE AND DEMOLITION
48-00-5701	48-00-8701	—	8	6 x 1.0 x .062	All woods, nail embedded wood, composition material, plastic, light gauge non-ferrous metals and aluminum. Also ideal for plunge cutting.
48-00-5706	48-00-8706	—	8	9 x 1.0 x .062	
48-00-5711	48-00-8711	—	8	12 x 1.0 x .062	

EXCLUSIVE "THE AX" FEATURES

- .062" THICK FOR STIFFER PERFORMANCE
- SLOPED SHAPE IDEAL FOR PLUNGE CUTTING
- STRENGTHENED TOOTH TIP
- WIDE GULLET SHAPE ALLOWS CHIPS TO CLEAR THE CUT

EXCLUSIVE "THE TORCH" FEATURES



















- .042" AND .062" THICK* FOR STIFFER PERFORMANCE AND LONGER LIFE
- MORE AGGRESSIVE BLADE REMOVES MORE MATERIAL PER STROKE FOR FASTER CUTTING.

EXCLUSIVE "WRECKER" FEATURES **NEW**

- .062" THICK
- 8 TPI FOR GENERAL PURPOSE DEMOLITION AND RESCUE
- SLOPED AND BLUNT SHAPED — SLOPE FOR PLUNGE CUTTING AND STRAIGHT FOR METAL CUTTING



HEAVY-DUTY HIGH PERFORMANCE BI-METAL SAWZALL® BLADES

CAT. NO. 2 PER PACK	CAT. NO. 5 PER PACK	CAT. NO. 25 PER BOX	CAT. NO. 50 PER BOX	CAT. NO. 100 PER BOX	T.P.I.	LENGTH x WIDTH	x THICKNESS	RECOMMENDED FOR CUTTING:
 <p>WOOD W/ NAILS BI-METAL USA SAWZALL® BLADE Milwaukee</p>							WOOD CUTTING BLADES	
—	48-00-5012	—	48-01-6012	—	6	6 x 3/4 x .050		Very fast cutting, nail embedded wood, general roughing-in.
 <p>WOOD W/ NAILS BI-METAL USA SAWZALL® BLADE Milwaukee</p>							WOOD CUTTING BLADES	
48-02-5031	48-00-5031	48-00-8031	48-01-6031	48-01-7031	5/8	6 x 3/4 x .050		Very fast cutting, nail embedded wood, general roughing-in. 
48-02-5035	48-00-5035	—	48-01-6035	—	6	6 x 3/4 x .050		
48-02-5036	48-00-5036	48-00-8036	48-01-6036	48-01-7036	6	9 x 3/4 x .050		
48-02-5037	48-00-5037	—	48-01-6037	48-01-7037	6	12 x 3/4 x .050		
48-02-5041	48-00-5041	—	48-01-6041	—	4/6	6 x 1/2 x .050		Very fast scroll cutting, circles, contours, nail embedded wood.  
 <p>GENERAL PURPOSE BI-METAL USA SAWZALL® BLADE Milwaukee</p>							ALL PURPOSE BLADES	  
—	48-00-5090	—	48-01-6090	—	10	4 x 3/4 x .035		All woods, nail embedded wood, composition material, plastic, ferrous and non-ferrous metals, cast iron.
48-02-5092	48-00-5092	—	48-01-6092	—	10	6 x 3/4 x .035		
48-02-5091	48-00-5091	—	48-01-6091	—	8/12	6 x 3/4 x .050		
48-02-5093	48-00-5093	48-00-8093	48-01-6093	48-01-7093	8/12	8 x 3/4 x .050		
48-02-5094	48-00-5094	—	48-01-6094	—	8/12	12 x 3/4 x .050		
—	48-00-5175	—	—	—	10	8 x 5/8 x .035		
48-02-3093	48-00-5193	—	48-01-6193	—	10/14	8 x 5/8 x .035		
—	48-00-5194	—	48-01-6194	—	10/14	12 x 5/8 x .035		
 <p>USA SAWZALL® BLADE METAL SCROLL Milwaukee</p>							SCROLL CUTTING BLADES	
—	48-00-5161	—	—	—	10	3-5/8 x 5/16 x .035		Scroll cutting wood, contours, nail embedded wood, plastics.  
48-02-5162	48-00-5162	—	—	—	14	3-5/8 x 5/16 x .035		Scroll cutting metal 1/8" thru 3/16".  
—	48-00-5163	—	—	—	18	3-5/8 x 5/16 x .035		Scroll cutting metal under 1/8".  
 <p>METAL 1/8" - 3/16" BI-METAL USA SAWZALL® BLADE Milwaukee</p>							METAL CUTTING BLADES	
—	48-00-5181	—	48-01-6181	—	14	4 x 3/4 x .035		Metal 3/16" thru 1/4", conduit, tubing, channels, pipe, rubber, fiber. Has 5/8" width for higher flexibility.
48-02-5182	48-00-5182	48-00-8182	48-01-6182	48-01-7182	14	6 x 3/4 x .035		
—	48-00-5282	—	48-01-6282	48-01-7282	14	6 x 5/8 x .035 *		Metal 1/8" thru 3/16", conduit, tubing, channels, pipe.
48-02-5187	48-00-5187	—	48-01-6187	48-01-7187	14	9 x 3/4 x .035		
—	48-00-5183	—	48-01-6183	—	18	4 x 3/4 x .035		Metal 1/8" thru 3/16", conduit, tubing, channels, pipe.
48-02-5184	48-00-5184	48-00-8184	48-01-6184	48-01-7184	18	6 x 3/4 x .035		
—	48-00-5284	—	48-01-6284	48-01-7284	18	6 x 5/8 x .035 *		
48-02-5188	48-00-5188	—	48-01-6188	—	18	9 x 3/4 x .035		
48-02-5189	48-00-5189	—	48-01-6189	—	18	12 x 3/4 x .035		Metal thinner than 1/8", tubing, pipe, trim
—	48-00-5185	—	48-01-6185	—	24	4 x 3/4 x .035		
48-02-5186	48-00-5186	48-00-8186	48-01-6186	—	24	6 x 3/4 x .035		
—	48-00-5286	—	48-01-6286	48-01-7286	24	6 x 5/8 x .035 *		

* Has 5/8" width for higher flexibility.



HEAVY-DUTY HIGH PERFORMANCE BI-METAL SAWZALL® BLADES

TEETH RECOMMENDATIONS See "RECOMMENDED FOR CUTTING" for proper blade selection		T.P.I.	STOCK THICKNESS	T.P.I.	STOCK THICKNESS	T.P.I.	STOCK THICKNESS
		4/6	For cutting stock 1/2" and above	8/12	For cutting stock 1/4" thru 3/8"	14	For cutting stock 3/16" thru 1/4"
		5/8 • 6 • 7	For cutting stock 3/8" and above	10		18	For cutting stock 1/8" thru 3/16"
				10/14		24	For cutting stock below 1/8"

WOOD	NAIL EMBEDDED WOOD	PRUNING	METAL CUTTING	SCROLL CUTTING	PASTER & DRYWALL CUTTING	PVC & PLASTIC	CERAMIC TILE	FIRE/RESCUE & DEMOLITION	FIBERGLASS

CAT. NO. 2 PER PACK	CAT. NO. 5 PER PACK	CAT. NO. 50 PER BOX	T.P.I.	LENGTH x WIDTH x THICKNESS	RECOMMENDED FOR CUTTING:
					WOOD AND PLASTIC CUTTING BLADES
---	48-00-5015	---	6	6 x 3/4 x .050	Very fast cutting wood, plastics and pruning
---	48-00-5016	---	6	9 x 3/4 x .050	
---	48-00-5017	---	6	12 x 3/4 x .050	
					PLASTER CUTTING BLADE
48-02-5052	48-00-5052	48-01-6052	6	5 x 3/4 .050	For cutting plaster, plaster with metal lath, plasterboard, cuts on forward and backward stroke.
					PRUNING BLADES HIGH ALLOY STEEL
---	48-00-1301	---	5	9 x 3/4 x .060	Pruning trees, smooth sawing green woods. Deep tooth design, fleam filed. Clean cuts wood fibers.
---	48-00-1303	---	5	12 x 3/4 x .060	
48-02-1303	---		5	(1) 9 x 3/4 x .060 (1) 12 x 3/4 x .060	
CAT. NO. 3 PER PACK		T.P.I.		LENGTH x WIDTH x THICKNESS	RECOMMENDED FOR CUTTING:
					GENERAL PURPOSE BLADE
48-00-1350		6		9 x 1 x .050	Made with specially formulated corrosion resistant stainless steel to prolong blade life. Recommended for cutting wood, cutting into walls that contain wood, constructing your own hunting tree stand, cutting firewood to size and clearing brush and forestry.
CAT. NO. 1 PER PACK	CAT. NO. 3 PER PACK	GRIT TYPE	LENGTH x WIDTH x THICKNESS		RECOMMENDED FOR CUTTING:
					TUNGSTEN CARBIDE BLADES
48-02-1400	48-00-1400	COARSE GRIT	4 x 3/4 x .032		For cutting hardwood flooring, cast iron, fiberglass, ceramic tiles, stone, brick, plaster and marble.
48-02-1410	48-00-1410	MEDIUM GRIT	3-1/2 x 1/2 x .032		
48-02-1420	48-00-1420	COARSE GRIT	6 x 3/4 x .032		
48-02-1430	48-00-1430	COARSE GRIT	9 x 3/4 x .039		



SUPER SAWZALL® 11-BLADE ASSORTMENT

49-22-1127 Includes one each of blades 5031, 5036, 5041, 5091, 5092, 5093, 5094, 5162, 5182, 5184 and 5186. Reusable vinyl sleeve.

SUPER SAWZALL® 7-BLADE ASSORTMENT

49-22-1126 Includes one each of 5162, 5182, 5184, 5091, 5092, 5031 and 5041. Packaged in reusable vinyl sleeve.

THE AX™/THE TORCH® 5-BLADE COMBINATION PACK

49-22-5712 Includes 2-Ax blades 48-00-5021 and 3-Torch Blades: 48-00-5712, 48-00-5782 and 48-00-5784



HEAVY-DUTY SAWZALL® RECIP SAW ACCESSORIES

HEAVY-DUTY ACCESSORIES



STEEL CARRYING CASES

20-gauge steel case features large storage area for extra Sawzall® Blades and accessories. Designed to fit with up to 6" blade installed.

- 48-55-1503 Case is designed to fit Sawzall Plus®
- 48-55-1535 Case fits all 4 Sawzall families



IMPACT RESISTANT CARRYING CASE

48-55-6510 Heavy-duty blow-molded polyethylene construction. Heavy-duty all-metal latches and pinned hinges. Convenient On-board hex key storage. Locking blade compartment. Case is designed to fit all Sawzalls including Super Sawzalls and Orbital Sawzalls.

PIPE CLAMP SYSTEM

49-22-1012 Works with pipes up to 4" in diameter. For use with all Super Sawzall models. To use with Sawzall Plus models, additional Pipe Clamp Adapter 45-16-0605 is required.

PIPE CLAMP ADAPTER

45-16-0605 Fits the 6517-6, 6517-20, 6518-6 and 6519-21. For use with the 49-22-1012 pipe clamp system.

ORBITAL PIPE CLAMP SYSTEM

49-22-1014 Includes shoe post 45-16-0613. Works with pipes up to 4" diameter. For use with 6521-21.

EASY-CUT SAWZALL BLADE LUBRICANT

49-08-4206 Greatly eases cutting applications while extending blade life. Includes six 1.5 oz tubes.



3-WIRE QUIK-LOK® CORD SETS

- 48-76-4008 8' Quik-Lok
- 48-76-4025 25' Quik-Lok
- 48-76-4108 8' Quik-Lok w/ Twist Lock Plug
- 48-76-4125 25' Quik-Lok w/ Twist Lock Plug

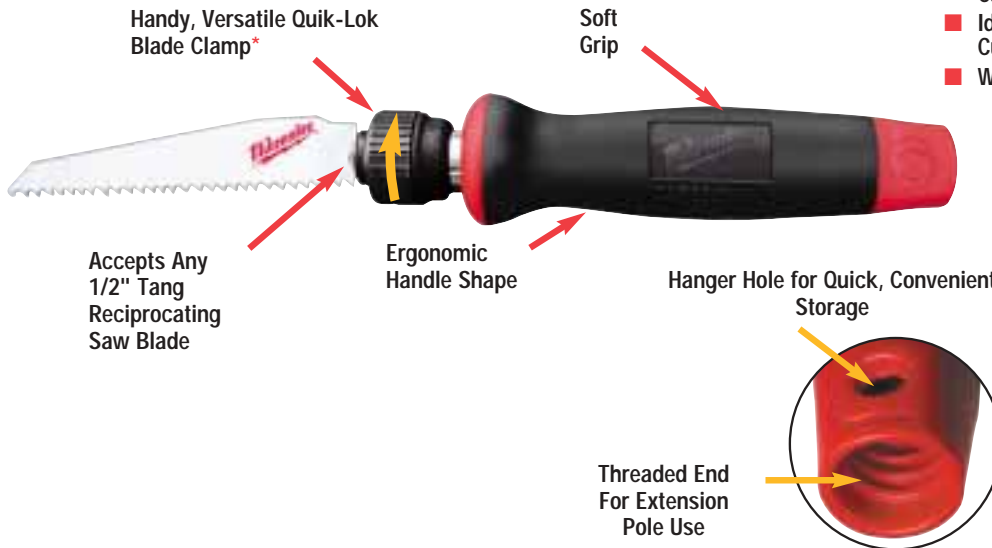


2-WIRE QUIK-LOK® CORD SETS

- 48-76-5010 10' Quik-Lok. For use with 6521-21
- 48-76-5025 25' Quik-Lok. For use with 6521-21 and 6521-99



HEAVY-DUTY JOB SAW™



QUIK-LOK™ JOB SAW™ 48-08-0401

- 6-3/4" Long Without Blade
- Use To Cut Apart Boxes, Foam, Insulation, Cutting Shingles, Linoleum, Carpet Or Vinyl
- Ideal for Campsite/Hunting Use, Drywall Cutouts, Pruning And General Sawsing
- Weighs .5 lbs And Comes With 1 Blade

*Patented

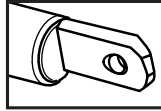
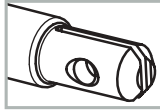


HEAVY-DUTY SAWZALL® RECIP SAW ACCESSORIES

THIS IS A REPLACEMENT PART TABLE FOR ANY
SAWZALL RECIP SAW WITH A KEYED CLAMP

● = SLOTTED
SPINDLE

● = NON
SLOTTED
SPINDLE



	TOOL/NUMBERS SUPER SAWZALL®				TOOL/NUMBERS SAWZALL PLUS®			TOOL/NUMBERS SAWZALL®							
	6527-6	6528-6	6537-6	6537-22	6517-20	6518-6	6519-21	6507-6	6507-20	6507-21	6509-6	6509-20	6509-21	6511-6	6535-6
HEX KEYS															
49-96-0090	Consists of 1 hex key.														
49-96-0070	Consists of 1 hex key.														
HEX KEY HOLDER															
48-66-4080	Consists of 1 rubber flex hex key holder.														
HEX KEY, SCREW AND CLAMP KITS															
49-22-5010	Consists of 1 hex key, 1 blade clamp screw and 1 blade clamp.														
49-22-5014	Consists of 1 hex key, 1 blade clamp screw and 1 blade clamp.														
49-22-5012	Consists of 1 hex key, 1 blade clamp screw and 1 blade clamp.														
49-22-5080	Consists of 2 hex keys, 10 blade clamp screws and 2 blade clamps.														
49-22-5016	Consists of 1 hex key, 1 rubber hex key holder, 1 blade clamp screw and 1 blade clamp.														
HEX KEY AND SCREW KIT															
49-22-5050	Consists of 25 hex keys and 50 blade clamp screws.														
BLADE CLAMPS, KITS AND SCREWS															
42-68-0677	Consists of 1 blade clamp.														
42-68-0682	Consists of 1 blade clamp														
42-68-0676	Consists of 1 blade clamp.														
42-68-0073	Consists of 1 blade clamp.														
49-22-5030	Consists of 10 blade clamp screws.														
49-22-5032	Consists of 10 blade clamp screws.														
20 MM BLADE CLAMPS AND KITS															
49-22-5000	Consists of 1 blade clamp and 1 blade clamp screw. For 20mm Blades.														
49-22-5002	Consists of 1 hex key, 1 blade clamp screw and 1 blade clamp. For 20mm blades.														
49-22-5004	Consists of 1 hex key, 1 rubber hex key holder, 1 blade clamp screw and 1 20mm blade clamp.														
OFFSET BLADE ADAPTERS															
48-03-2010	For flush cutting applications.														
48-03-2000	For flush cutting applications.														



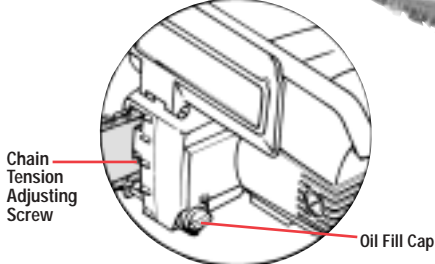
For conversion of keyless clamp models (6509-22, 6519-22, 6521-21, 6524-21 and 6537-22) to keyed clamps
use kit no. 49-22-5016 (1/2") or 49-22-5004 (20 mm)



HEAVY-DUTY ELECTRIC CHAIN SAW

6215

- 16" BAR
- 1800 FEET PER MINUTE CHAIN SPEED
- POWERFUL 2-1/4 MAX. H.P. MOTOR



- Lightweight
- Quiet, Smooth Running Motor
- Instant Starting Even In Freezing Temperatures
- No Flammable Fuel Required – No Engine Exhaust
- Automatic Oiling
6.5 oz. capacity. Sufficient for 1 hour of continuous operation.
- Adjustable Clutch
Protects motor and mechanism from harmful binding.
- Sprocket Nose Bar For Reduced Friction
- Handguard Actuated Brake With Resettable Lockout Switch
- Low Kickback Bar And Chain Combination
- Convenient Brush Replacement
- Easy Chain Adjustment
Simply loosen one nut and adjust.

ACCESSORIES



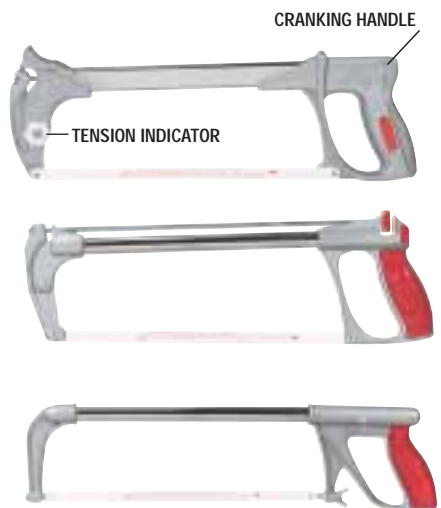
48-58-0030	3/8" (9.5 mm) Pitch Chain
48-09-5051	16" (406 mm) Guide Bar
49-96-7630	13 mm Open End Wrench
49-62-0150	Scabbard
49-80-2000	Screwdriver

SPECIFICATIONS

CATALOG NUMBER	BAR SIZE	VOLTS AC ONLY	AMPS	CHAIN SPEED	OIL TANK CAPACITY	NET. WGT. LBS.	SHIP. WGT. LBS.
6215•	16" (406 mm)	120	13.0	1800 FPM	6-1/2 OZ. (190 ML)	11.3	14.0

STANDARD EQUIPMENT: Chain Saw, 16" (406 mm) Sprocket Tip Bar, 3/8" (9.5 mm) Pitch Chain, 13 mm Wrench, Screwdriver and Scabbard. • Not Available in Canada.

HACK SAW FRAMES AND BLADES



12" BI-METAL BLADE HACK SAW FRAME 48-08-0320

MILWAUKEE'S FINEST Hack Saw features built-in cranking handle to achieve higher tension required for MILWAUKEE'S Bi-Metal Blades. Tension indicator helps assure proper tension for more efficient cutting and longer blade life. Rectangular tube construction provides greater strength than ordinary hack saws. Knuckle Guard protects hands. Blades can be positioned for 90°, 45° angle or flush cutting.

DELUXE 12" HACK SAW FRAME 48-08-0300

Deluxe Hack Saw features a new method of holding blade. Blade cannot "twist" or "wobble", therefore giving a more accurate cutting stroke and a longer blade life.

10" TO 12" HACK SAW FRAME 48-08-0310

Strong aluminum die cast construction adjusts for 10" or 12" blades. Smooth comfortable front and rear handle grips. Locking screw extends all the way through tube for tighter alignment. Tube walls never press against threads of screw. Front stretcher held in snug fitting square hole—not a "punched hole" in thin wall of tubing. Good solid alignment in both 10" and 12" positions. Blade may be positioned to cut sideways absolutely flush with a surface. Cuts completely down to surface.

MILWAUKEE SUPER-TOUGH™ BI-METAL BLADES

- Outlast Conventional Blades Up To 3 Times Longer
- Requires Fewer Blade Changes
- Can Be Used In Any Hack Saw Frame But Performs Better Under High Tension Of Bi-Metal Frame.

CATALOG NUMBER	LENGTH	TEETH PER INCH	SET	QUANTITY PER PACK
48-43-0600	12"	14	RAKER	10
48-43-0610	12"	18	RAKER	10
48-43-0620	12"	24	WAVY	10
48-43-0630	12"	32	WAVY	10

TUNGSTEN CARBIDE BLADES

- Cuts Cast Iron, Ceramic Tile, Fiberglass, Slate, Brick And Marble

CATALOG NUMBER	LENGTH	TEETH PER INCH	GRIT	QUANTITY PER PACK
48-43-0200	12"	HACK ROD	MED	1
48-43-0250	12"	HACK ROD	N/A	1





HEAVY-DUTY PORTABLE ELECTRIC BAND SAWS

6225

- TWO SPEED
- 120 AC ONLY



6226

- TWO SPEED
- 120 AC ONLY



6230

- TRIGGER SPEED CONTROL
- 120V AC ONLY



6232-6

- TRIGGER SPEED CONTROL
- 120V AC ONLY



6236

- TWO SPEED
- 120V AC/DC



6238

- TWO SPEED
- 120V AC/DC



- **Powerful Motor With Long Life Brushes And High Output Fans**
Provides high performance for the toughest cutting operations.
- **Optimum Speed Range**
Cuts pipes, bolts, re-bar, angle iron, tracks and other profiles in a variety of materials. All models include Super-Tough® Bi-Metal blades.
- **All Models Use Standard 44-7/8" x 1/2" .020" Band Saw Blades**
- **All Ball And Roller Bearing Construction For Smooth, Durable Operation**
- **High Torque Worm Gear And Chain Drive Mechanism**
For optimum motor torque transfer and durability. Self-lubricated for maximum wear resistance.
- **Excellent Balance**
Center of gravity located directly over blade results in straighter cuts while reducing operator fatigue. Front T-handle provides superior control.
- **Open Line Of Sight For More Accurate Cut**
- **Blade Tightening Lever**
Long life cam provides quick and easy blade changes.

6230, 6232-6, 6236 AND 6238 FEATURES

- **Large 4-3/4" x 4-3/4" Capacity**

SPECIFICATIONS

CATALOG NUMBER	NO LOAD SURFACE FT. PER MIN.	VOLTS	AMPS	CAPACITY ROUND STOCK	CAPACITY RECTANGULAR STOCK	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6225	250/200	120 AC ONLY	6.0/5.0	3-1/2"	3-1/2" x 4-1/2"	20"	16.0	20.0
6226	250/200	120 AC ONLY	6.0/5.0	3-1/2"	3-1/2" x 4-1/2"	20"	23.5	27.5
6230	0-350	120 AC ONLY	6.0	4-3/4"	4-3/4" x 4-3/4"	19-3/4"	17.0	21.5
6232-6	0-350	120 AC ONLY	6.0	4-3/4"	4-3/4" x 4-3/4"	19-3/4"	24.5	29.0
6236	350/250	120 AC/DC	6.0/5.0	4-3/4"	4-3/4" x 4-3/4"	19-3/4"	17.0	22.0
6238	350/250	120 AC/DC	6.0/5.0	4-3/4"	4-3/4" x 4-3/4"	19-3/4"	24.5	30.0

STANDARD EQUIPMENT: FOR 6225 – One 14-Tooth Super-Tough® Bi-Metal Blade 48-39-0510. FOR 6226 – One 14-Tooth Super-Tough® Bi-Metal Blade 48-39-0510 And Impact Resistant Carrying Case 48-55-6200. FOR 6230 AND 6236 – One 14-Tooth Super-Tough® Bi-Metal Blade 48-39-0510. FOR 6232-6 AND 6238 – One 14-Tooth Super-Tough® Bi-Metal Blade 48-39-0510 And Impact Resistant Carrying Case 48-55-6200.



HEAVY-DUTY BAND SAW BLADES AND ACCESSORIES

BI-METAL BLADE FEATURES FOR USE WITH MILWAUKEE BAND SAWS USING 44-7/8" X 1/2" x .020 BLADES

10 TEETH/INCH	10/14 TEETH/INCH	14 TEETH/INCH	14/18 TEETH/INCH	18 TEETH/INCH	24 TEETH/INCH
FOR CUTTING STOCK 5/16" to 1/2" *	FOR CUTTING STOCK 3/16" to 1/2" *	FOR CUTTING STOCK 3/16" to 5/16" *	FOR CUTTING STOCK 5/32" to 5/16" *	FOR CUTTING STOCK 5/32" to 3/16" *	FOR CUTTING STOCK up to 5/32" *

* refer to RECOMMENDED USE for type of blades.

BI-METAL BLADE FEATURES

■ Matrix II High Speed Steel Teeth With 8% Cobalt. For The Fastest Cutting, Longest Blade Life Available.

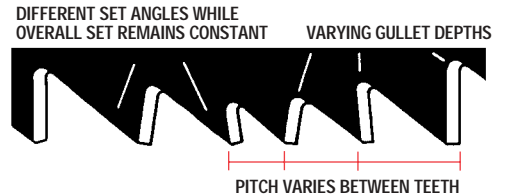


BI-METAL MILWAUKEE SUPER-TOUGH® Bi-Metal Blades outlast conventional blades up to 3 times, requiring fewer blade changes. Extremely hard and uniform tooth point is electron beam welded to a tough durable backing with high flex life for faster cutting, longer blade life.

BI-METAL MULTI-PITCH BLADES designed with varying set angles and gullet depths to break up the harmonic vibrations generated in cutting, resulting in smoother, quieter cutting and longer blade life.

CATALOG NUMBER	QTY. PER PKG.	DIAMETER OR WALL THICKNESS	TEETH PER INCH	RECOMMENDED USE
48-39-0500	1	5/16" & Up	10	High speed cutting of aluminum, angle iron, bronze, brass, copper, galvanized pipe, mild steel. Tougher steels including stainless, chrome, tungsten steel plus other problem material at slow speed.
48-39-0501	3	5/16" & Up	10	
48-39-0502	100	5/16" & Up	10	
48-39-0510	1	3/16"-5/16"	14	
48-39-0511	3	3/16"-5/16"	14	
48-39-0512	100	3/16"-5/16"	14	
48-39-0520	1	5/32"-3/16"	18	
48-39-0521	3	5/32"-3/16"	18	
48-39-0522	100	5/32"-3/16"	18	
48-39-0530	1	Up to 5/32"	24	
48-39-0531	3	Up to 5/32"	24	
48-39-0532	100	Up to 5/32"	24	

MULTI-PITCH BLADE DESIGN



CATALOG NUMBER	QTY. PER PKG.	DIAMETER OR WALL THICKNESS	TEETH PER INCH	RECOMMENDED USE
48-39-0550	1	3/16"-1/2"	10/14	Designed for interrupted cutting applications (tubing, structurals, etc.) Also production cutting of solids in a variety of sizes or shapes
48-39-0551	3	3/16"-1/2"	10/14	
48-39-0552	100	3/16"-1/2"	10/14	
48-39-0560	1	5/32"-5/16"	14/18	
48-39-0561	3	5/32"-5/16"	14/18	
48-39-0562	100	5/32"-5/16"	14/18	



IMPACT RESISTANT CARRYING CASE

48-55-6200 For all of Milwaukee's electric band saws. Carrying case has interior compartment for blade storage.

TYPE "G" GREASE

49-08-4140 1 lb. can.

REPLACEMENT BLADE PULLEY TIRE

45-69-0020 Two tires per package.

PORTABLE BAND SAW TABLE

48-08-0260

FOR ALL MILWAUKEE BAND SAWS

Converts Milwaukee's portable band saws to stationary units. Can be mounted on a work bench or used on the job with 3/4" diameter pipe for legs (not included). Heavy-duty clamping chain and crank nut easily secures all shapes of material. Net weight 34 lbs.





HEAVY-DUTY 15.0 AMP TILT-LOK™ 7-1/4" CIRCULAR SAWS

6390-20



6390-21 (KIT)



6394-21 (KIT)



6391-21 (KIT)



- **Exclusive Adjustable Main Handle***
The 8-position locking handle adjusts to the cutting application for maximum comfort and control.
- **15.0 Amp, 3-1/4 Maximum Horsepower Motor**
Most powerful circle saw cuts tough materials including headers, microlams and wet lumber with ease.
- **Maximum Power-To-Weight Ratio**
Lightest 7-1/4", 3-1/4 max HP circular saw.
- **10.4 Lbs. Net Weight (Excludes 6394-21)**
Light weight reduces operator fatigue, maximizes performance and control.
- **Fast, Smooth Adjustments**
Depth lever and bevel adjustments easy to access and operate.
- **Cushion Front Grip*/Rear Handle**
Maximizes comfort and control.
- **Maximum Sight Line**
- **Convenient Bevel Scale**
Scale faces operator for quick and accurate bevel adjustment.
- **One-Touch Spindle Lock**
Convenient button on top of saw for easy access.
- **Milwaukee Durability**
Hardened steel helical gears, ball and roller bearings, impact-resistant glass reinforced nylon motor housing, aircraft aluminum shoe, durable, flexible rubber cord set, 22 amp high capacity switch.

*Patented



SPECIFICATIONS

CATALOG NUMBER	BLADE SIZE	VOLTS	AMPS	NO LOAD SPEED RPM	ARBOR	DEPTH OF CUT AT 90°	DEPTH OF CUT AT 50°	DEPTH OF CUT AT 45°	NET WEIGHT LBS.	SHIP. WEIGHT LBS.
6390-20	7-1/4"	120 AC-DC	15.0	5800	5/8"	2-7/16"	1-11/16"	1-13/16"	10.4	14.1
6390-21	7-1/4"	120 AC-DC	15.0	5800	5/8"	2-7/16"	1-11/16"	1-13/16"	10.4	17.5
6391-21	7-1/4"	120 AC-DC	15.0	5800	5/8"	2-7/16"	1-11/16"	1-13/16"	10.4	17.5
6394-21	7-1/4"	120 AC-ONLY	15.0	5800	5/8"	2-7/16"	1-11/16"	1-13/16"	10.6	17.7

STANDARD EQUIPMENT: FOR 6390-20 – Circular Saw with Tilt-Lok Handle, Carbide Blade and Hex Blade Wrench. **FOR 6390-21** – Circular Saw with Tilt-Lok Handle, Carbide Blade, Hex Blade Wrench and Impact Resistant Carrying Case. **FOR 6391-21** – Left Blade Circular Saw with Tilt-Lok Handle, Carbide Blade, Blade Wrench and Impact Resistant Carrying Case. **FOR 6394-21** – Circular Saw with Tilt-Lok Handle, 10' Quik-Lok® Cord, Carbide Blade, Hex Blade Wrench and Impact Resistant Carrying Case.

ACCESSORIES

IMPACT RESISTANT CARRYING CASE

48-55-9166 Standard equipment with 6390-21, 6391-21 and the 6394-21.



QUIK-LOK® CORDS

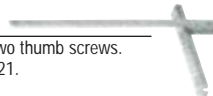
48-76-5110 14 Gauge, 2-wire, 10' Quik-Lok Cord. Standard with the 6394-21.

48-76-5125 14 Gauge, 2-wire, 25' Quik-Lok Cord.



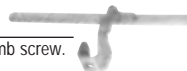
RIP FENCE KIT

49-22-4146 Includes two thumb screws.
49-22-1001 For 6391-21.



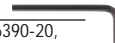
RIP GUIDE KIT

49-22-4160 Includes one thumb screw.



HEX BLADE WRENCH

49-96-0345 Standard equipment with 6390-20, 6390-21 and the 6394-21.



BLADE WRENCH

49-96-6205



ENDURANCE® BLADES

Extra long life, construction and finishing blades. Carbide C3 grade micro ground teeth stay super sharp.



"Y" GREASE 1 LB. CAN (OR) 6 OZ. TUBE

49-08-5275 (Can) 49-08-5270 (Tube)



HEAVY-DUTY 15.0 AMP 7-1/4" CIRCULAR SAWS

6375-20



6375-21 (KIT)



6376-20

• ELECTRIC BRAKE



- **15.0 Amp, 3-1/4 Max HP Milwaukee-Built Motor**
Easily cuts through tough materials including header, microlams and wet lumber without stalling.
- **Constant Handle Position**
Vertical depth adjustment system keeps handle position intact for comfortable operation.
- **Fast, Smooth Adjustments**
Reinforced vertical bracket provides smooth depth adjustment. Oversized knob and lever provides quick, positive locking.
- **Easy-To-Read Scales**
Cast in rip scale in front of shoe measures blade to edge of shoe on both sides for accurate ripping.
- **50 Degree Bevel Capacity**
Extra bevel capacity to cut joists, rafters and trusses for unique roof angles.
- **Extra Wide, Lightweight Shoe**
Extra wide, magnesium shoe provides maximum stability and allows use of clamped saw guide (speed square) without motor interference.
- **Perfect Balance**
Center balanced, saw remains level when balanced with one finger against trigger.
- **Milwaukee Durability**
Hardened steel helical gearing, 100% sealed ball bearings, impact resistant glass reinforced nylon motor housing, magnesium shoe, durable, flexible rubber cord set.



- **FAST, SMOOTH ADJUSTMENTS**
Reinforced vertical bracket provides smooth depth adjustments. Oversize knob and lever provides positive locking. Positioned to maximize line of sight when cutting.



- **ON-BOARD WRENCH**
Built-in wrench storage on shoe speeds blade changes, eliminates lost, misplaced blade wrenches.



- **50° BEVEL CAPACITY**,
Ideal for roof rafters, trusses and joists.

SPECIFICATIONS

CATALOG NUMBER	BLADE SIZE	VOLTS	AMPS	NO LOAD SPEED RPM	ARBOR	DEPTH OF CUT AT 90°	DEPTH OF CUT AT 50°	DEPTH OF CUT AT 45°	NET WEIGHT LBS.	SHIP. WEIGHT LBS.
6375-20	7-1/4"	120 AC-DC	15.0	5800	5/8"	2-5/16"	1-5/8"	1-13/16"	11.5	16.5
6375-21	7-1/4"	120 AC-DC	15.0	5800	5/8"	2-5/16"	1-5/8"	1-13/16"	19.5	24.5
6376-20	7-1/4"	120 AC ONLY	15.0	5800	5/8"	2-5/16"	1-5/8"	1-13/16"	11.5	16.5

STANDARD EQUIPMENT: FOR 6375-20 – 7-1/4" Circular Saw and Carbide Blade. FOR 6375-21 – 7-1/4" Circular Saw, Carbide Blade, Rip Fence and Impact Resistant Carrying Case. FOR 6376-20 – 7-1/4" Circular Saw With Electric Brake and Carbide Blade.

ACCESSORIES

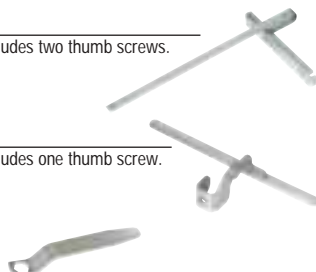


IMPACT RESISTANT CARRYING CASE
48-55-9166 Standard equipment with 6375-21.

RIP FENCE KIT
49-22-4146 Includes two thumb screws.

RIP GUIDE KIT
49-22-4160 Includes one thumb screw.

BLADE WRENCH
49-96-6205



ENDURANCE® BLADES
Extra long life, construction and finishing blades. Carbide C3 grade micro ground teeth stay super sharp.



"Y" GREASE 1 LB. CAN (OR) 6 OZ. TUBE
49-08-5275 (Can) 49-08-5270 (Tube)



HEAVY-DUTY 15.0 AMP CIRCULAR SAWS

6405-6



- Smooth Height And Angle Adjustments
- All Ball And Roller Bearings
- Hardened Steel Helical Gearing
- External Brushes For Fast And Easy Replacement
- Extra Long, 9' Flexible Rubber Cord
- Impact-Resistant, Glass Reinforced Nylon Motor Hosing
- Lower Guard Contour Lip Design For Retraction

EXCLUSIVE 6405-6 FEATURES

- 15.0 Amp Milwaukee-Built Motor
- Spindle Lock For Fast And Easy Blade Replacement
- Lightweight, Durable Aluminum Shoe

EXCLUSIVE 6460 FEATURES

- 15.0 Amp Milwaukee-Built Motor
- Extreme Cut Capacity (Cuts 4x4's)
- Rigid Steel Shoe For Extra Strength

6460



SPECIFICATIONS

CATALOG NUMBER	BLADE SIZE	VOLTS	AMPS	NO LOAD SPEED RPM	ARBOR	DEPTH OF CUT AT 90°	DEPTH OF CUT AT 50°	DEPTH OF CUT AT 45°	NET WEIGHT LBS.	SHIP WEIGHT LBS.
6405-6	8-1/4"	120 AC-DC	15.0	5800	5/8"	2-3/4"		2-1/8"	13.0	18.0
6460	10-1/4"	120 AC-DC	15.0	5200	5/8"	15/16" to 3-13/16"		5/8" to 2-3/4"	19.5	38.0

STANDARD EQUIPMENT: FOR 6405-6 – 15.0 Amp Circular Saw, Framing/Rip Saw Blade and 9/16" Wrench. FOR 6460 – 15.0 Amp Circular Saw, Steel Carrying Case, 9/16" Wrench, Rip Fence, Combination/Rip Saw Blade and Auxiliary Handle.

ACCESSORIES

STEEL CARRYING CASES

- 48-55-1150 For 6405-6.
- 48-55-1170 For 6460.



RIP FENCE KIT

- 49-22-4146 Includes two thumb screws.



BLADE WRENCH

- 49-96-6205



"Y" GREASE 1 LB. CAN

- 49-08-5275

ENDURANCE® BLADES

Extra long life, construction and finishing blades. Carbide C3 grade micro ground teeth stay super sharp.





HEAVY-DUTY 15.0 AMP 7-1/4" & 8-1/4" WORM DRIVE SAWS

6377-6



STEEL SHOE

- **15.0 Amp Milwaukee Motor**
Easily cuts through tough materials including headers, microlams and wet lumber without stalling.
- **Fast, Smooth Adjustments**
Depth lever and bevel adjustments easy to access and operate.
- **Maximum Sight Line**
Left blade design allows for maximum cut visibility.
- **Maximum Control**
Two-handle design (auxiliary handle) and enhanced weight provide increased control and stability.
- **External Brushes**
For fast and easy replacement.
- **Spindle Lock**
For fast and easy blade replacements.
- **Heavy-Duty Worm Gears**
Hardened steel worm gearing for maximum torque in the toughest applications.
- **Extra Long, 9' Flexible Rubber Cord**
- **Rigid Steel Shoe**
Provides maximum strength.

6378



STEEL SHOE

ACCESSORIES



STEEL CARRYING CASE
48-55-1101

RIP FENCE KIT
49-22-4210 Includes thumb screw No. 06-87-2450

9/16" WRENCH
49-96-6205

WORM DRIVE SAW OIL
49-32-0050 1/2 pint oil

SPECIFICATIONS

CATALOG NUMBER	BLADE SIZE	VOLTS AC-DC	AMPS	NO LOAD SPEED RPM	ARBOR	DEPTH OF CUT AT 90°	MAX. DEPTH OF CUT AT 45°	NET WEIGHT LBS.	SHIP. WEIGHT LBS.
6377-6	7-1/4"	120	15.0	4400	DIAMOND	0 to 2-3/8"	0 to 1-7/8"	16.8	19.8
6378	8-1/4"	120	15.0	4400	DIAMOND	0 to 2-7/8"	0 to 2-1/4"	17.3	20.3

STANDARD EQUIPMENT: For 6377-6 – 7-1/4" Worm Drive Saw, Combination Blade and 9/16" Wrench. For 6378 – 8-1/4" Worm Drive Saw, Combination Blade and 9/16" Wrench.



HEAVY-DUTY 10" MAGNUM® SLIDE COMPOUND MITER SAW

6497-6

- INCLUDES 10" 80-TOOTH CARBIDE-TIPPED BLADE, EXTENSION W/STOP GAUGE, VISE, DUST BAG AND BLADE WRENCH



Flip fence can be easily turned around for either miter or compound cuts.



Extra tall Patented Flip Fence for either compound or miter cutting. Base extension on left side for additional work support.



Patented Detent Override Mechanism makes fine adjustment of miter angles easy especially when near a detent.



High Visibility Scale for easy bevel angle adjustment.

- **Heavy-Duty 15.0 Amp Motor**
For fast accurate cutting through the toughest materials.
- **Machined Slide Mechanism**
Dual offset hardened steel guide tubes allow precise cutting performance.
- **Bevel Adjustment On All Ball Bearings**
For ensured precision. Non-slip locking system.
- **Roller Bearing Miter Table System**
Miter table rotates on roller bearings rather than metal stampings for smooth operation.
- **Patented Detent Override Mechanism***
Allows for fine adjustment of miter angles within 1 degree of detents.
- **Unique Bevel Angle Over Travel Mechanism**
Two positive spring-loaded bevel stops at 0° and 45° allow for several degrees of overtravel up to 48° on the left and -3° on the right.
- **High Visibility Bevel Scale For Fast And Accurate Bevel Adjustments**
- **Wide Angle Capacity For Maximum Productivity**

Wide Miter Angle Range: Miters 51° to the Left, 59° to the Right.

Wide Bevel Angle Range: Bevels 48° to the Left, 3° to the Right.

- **Positive Detents For Quick, Accurate Cuts**
Positive Miter Detents: 0°, 15°, 22.5°, 30° and 45° Left & Right
Positive Bevel Detents: 0° and 45° Left
- **Electric Brake Eliminates Free Blade Spin**
- **Saw Head Lock For Convenient And Reliable Transportation**
- **Automatic Retracting Lower Blade Guard***
For high blade visibility and increased capacity.
- **Hardened Steel Helical Gearing**
- **Impact Resistant Glass Reinforced Nylon Motor Housing**
- **Die Cast, Machined Aluminum Construction**
Machined miter table and base for long life.
- **Cutting Capacities**

<i>Vertical Capacity (Baseboard against fence)</i>	4-1/4"
<i>Vertical Capacity (Crown Molding nested vertically)</i>	5-1/2"
<i>Horizontal Capacity (Baseboard lying flat)</i>	12-3/8"
Dimensional Lumber	
<i>0° Miter/0° Bevel Cross-Cut</i>	4" x 12"
<i>45° Miter/0° Bevel Cut</i>	4" x 8"
<i>Max 0° Miter/45° Bevel Compound Cut</i>	2" x 10"
<i>Max 45° Miter/45° Bevel Compound Cut</i>	2" x 8"

*Patented

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	NO LOAD RPM	ARBOR	NET WGT. LBS.	SHIP.WGT. LBS.
6497-6	120	15.0	4800	5/8"	55.5	66.5

STANDARD EQUIPMENT: 6497-6 Includes 80 Tooth 10" Carbide-Tipped Blade, Extension with Stop Gauge 49-52-0110, Vise 49-52-0310, Dust Bag 48-09-1025 and Blade Wrench.

ENDURANCE® BLADES

Extra long life, construction and finishing blades. Carbide C3 grade micro ground teeth stay super sharp.





HEAVY-DUTY 10" MAGNUM® COMPOUND MITER SAW

6494-6

- INCLUDES 10" CARBIDE-TIPPED BLADE
DUST BAG AND BLADE WRENCH



Flip Fence can be easily turned around for either miter or compound cuts without using tools.



Patented Detent Override Mechanism makes fine adjustment of miter angles easy especially when near a detent.

- **Patented Flip Fence**
Extra tall 3-1/2" Flip Fence for maximum material support during miter or compound cuts.
- **Heavy-Duty 15.0 Amp Motor**
For fast accurate cutting through the toughest materials.
- **Bevel Adjustment**
For ensured precision. Non-slip locking system.
- **Roller Bearing Miter Table System**
Miter table rotates on roller bearings rather than metal stampings for smooth operation.
- **Patented Detent Override Mechanism***
Allows for fine adjustment of miter angles within 1 degree of detents.
- **High Visibility Bevel Scale For Fast And Accurate Bevel Adjustments**
- **Wide Angle Capacity For Maximum Productivity**
Wide Miter Angle Range: Miters 51° to the Left, 59° to the Right.
Wide Bevel Angle Range: Bevels 48° to the Left, 3° to the Right.
- **Positive Detents For Quick, Accurate Cuts**
Positive Miter Detents: 0°, 15°, 22.5°, 30° and 45° Left & Right
- **Electric Brake Eliminates Free Blade Spin**
- **Saw Head Lock For Convenient And Reliable Transportation**
- **Automatic Retracting Lower Blade Guard***
For high blade visibility and increased capacity.
- **Hardened Steel Helical Gearing**
- **Impact Resistant Glass Reinforced Nylon Motor Housing**
- **Die Cast, Machined Aluminum Construction**
- **Cutting Capacities**

<i>Vertical Capacity (Baseboard against fence)</i>	4-1/4"
<i>Vertical Capacity (Crown Molding nested vertically)</i>	5-1/2"
<i>Horizontal Capacity (Baseboard lying flat)</i>	5-9/16"

Dimensional Lumber

<i>0° Miter/0° Bevel Cross-Cut</i>	4" x 4"
<i>0° Miter/0° Bevel Cross-Cut (Max Width)</i>	2" x 6"
<i>45° Miter/0° Bevel Cut</i>	2" x 4"
<i>Max 0° Miter/45° Bevel Compound Cut</i>	2" x 6"
<i>Max 45° Miter/45° Bevel Compound Cut</i>	2" x 4"

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	NO LOAD RPMS	ARBOR	NET WGT. LBS.	SHIP WGT. LBS.
6494-6	120	15.0	4800	5/8"	37.5	43.0

STANDARD EQUIPMENT: 6494-6: 10" Carbide Tipped Blade, Dust Bag and Blade Wrench.

*Patented

Machined miter table and base for long life.

ACCESSORIES

GUIDE ROD ASSEMBLIES

49-52-0110 For use with 6494-6, 6496-6, 6497-6



KERF PLATES

- 49-42-0110 For use with 6490-6
- 49-52-0400 For use with 6494-6
- 49-52-0405 For use with 6496-6 and 6497-6



WISE

49-52-0310 For all Miter Saws



DUST BAG

48-09-1025 Standard equipment included with all Miter Saws.



ENDURANCE® BLADES

Extra long life, construction and finishing blades. Carbide C3 grade micro ground teeth stay super sharp.





HEAVY-DUTY 10" MAGNUM® MITER SAW

6490-6

- INCLUDES
10" CARBIDE TIPPED BLADE
DUST BAG AND
BLADE WRENCH



Patented Detent Override Mechanism makes fine adjustment of miter angles easy especially when near a detent. Die cast, two-color miter scale for quick and precise cuts.

- **Heavy-Duty 15.0 Amp Motor**
For fast accurate cutting through the toughest materials.
- **Roller Bearing Miter Table System**
Miter table rotates on roller bearings rather than metal stampings for smooth operation.
- **Patented Detent Override Mechanism***
Allows for fine adjustment of miter angles within 1 degree of detents.
- **Wide Angle Capacity For Maximum Productivity**
Wide Miter Angle Range: Miters 51° to the Left, 59° to the Right.
- **Positive Detents For Quick, Accurate Cuts**
Positive Miter Detents: 0°, 15°, 22.5°, 30° and 45° Left & Right.
- **Electric Brake Eliminates Free Blade Spin**
- **Saw Head Lock For Convenient And Reliable Transportation**
- **Automatic Retracting Lower Blade Guard***
For high blade visibility and increased capacity.
- **Hardened Steel Helical Gearing**
- **Impact Resistant Glass Reinforced Nylon Motor Housing**
- **Die Cast, Machined Aluminum Construction**
- **Cutting Capacities**

<i>Vertical Capacity (Baseboard against fence)</i>	4-1/4"
<i>Vertical Capacity (Crown Molding nested vertically)</i>	5-1/2"
<i>Horizontal Capacity (Baseboard lying flat)</i>	3-7/8"
Dimensional Lumber	
<i>0° Miter/0° Bevel Cross-Cut</i>	4" x 4"
<i>0° Miter/0° Bevel Cross-Cut (Max Width)</i>	2" x 6"
<i>45° Miter/0° Bevel Cut</i>	2" x 4"

*Patented

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	NO LOAD SPEED (RPM)	ARBOR	NET WGT. LBS.	SHIP. WGT. LBS.
6490-6	120	15.0	4800	5/8"	31.5	37.0

STANDARD EQUIPMENT: 6490-6: 10" Carbide Tipped Blade, Dust Bag and Blade Wrench.

MITER SAW STANDS



CONTRACTOR WORK CENTER

48-08-0450 Includes 4 adjustable riser supports, 2 mounting clamps and hardware.

Hgt. 36", Lgth. 48"-114", Ship. Wgt. 52lbs.



TOOL STAND

48-08-0350 Includes cedar top, two mounting clamps and two riser supports. (Shown above with Sliding Miter Saw 6496-6.)

Hgt. 36", Lgth. 48", Ship. Wgt. 38 lbs.

FOR ALL MITER SAWS INCLUDING COMPOUND SLIDERS

- **Portable Work Center**
- **Tubular Steel Rail Table Legs**
- **Fold-Up, Self Locking Legs**
- **Adjustable Work Supports**
- **Universal Bench Top Tool Mounting Clamps**
- **Durable 16 Ga. Steel Construction**
Hold up to 500 lbs.

RISER SUPPORTS FOR TOOL STANDS

48-08-0360 1 per package. (for 48-08-0350 only).
48-08-0365 1 per package. (for 48-08-0450 only).

MOUNTING CLAMPS FOR TOOL STAND

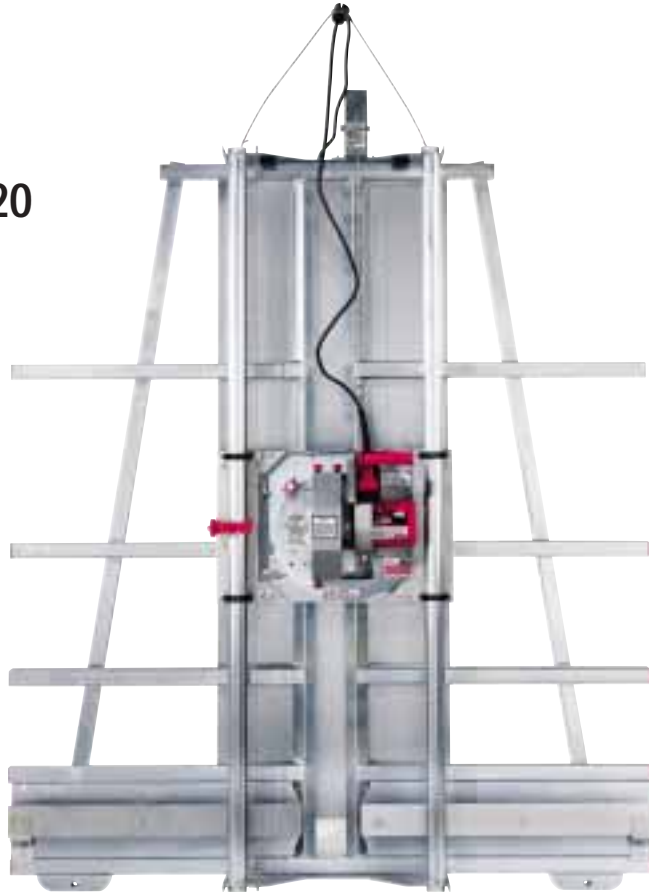
48-08-0380 2 per package.



HEAVY-DUTY 15.0 AMP, 8" PANEL SAW

THE QUICK AND EASY WAY TO CUT UP TO
4' x 8' SECTIONS OF PANELING TO SIZE

6480-20



PANEL SAW FEATURES

- All Steel Frame, Square Tubing Is Electrically Welded – It Will Not Warp Or Twist
- Innovative horizontal handle for convenient ON/OFF operation
- Heavy-duty commercial-grade paddle switch for durability and long-life
- Cutting Accuracy To Within 1/32" In Either Crosscutting Or Ripping Directions



- Powerful 15.0 Amp Milwaukee Built Motor
- Material Being Ripped Can Move From Either Right Or Left Side
- Retractable Counter-Weight Assists In Smooth Pull Down And Return Of Saw Carriage
- Power Unit Can Be Easily Changed From Crosscutting To Ripping
- Removable Blade Guard For Easy Blade Changes
- Saw Carriage Moves Up And Down On Graphite Impregnated Nylon Roller Bearings Which Require No Lubrication
- Vertical And Horizontal Scales Provide Quick And Accurately Measured Cuts
- Heavy-Duty All Ball And Roller Bearing Power Unit
- Smooth Acting Roller Mechanism Allows Heavy Material To Gently Roll Through Machine
- Comes Complete With Rugged, Self-Support Stand That Folds Into The Unit For Easy Portability
- The Perfect Tool For:
 - Lumber Yards
 - Cabinet Shops
 - Building Contractors
 - Remodelers
 - Building Material Suppliers
 - Sign Shops
 - Rental Outlets

SPECIFICATIONS

CAT. NO.	AMPS	NO LOAD SPEED RPM	BLADE SIZE	ARBOR SIZE	CAPACITY (INCHES) THICKNESS	HEIGHT	OVERALL HEIGHT (IN.)	OVERALL LENGTH (IN.)	NET WGT. LBS.	SHIP. WGT. LBS.
6480-20	15.0	5800	8-1/4"	5/8"	1-3/4"	50	70	60	170.0	175.0

STANDARD EQUIPMENT: FOR 6480-20 – Includes one 48-40-4152 Endurance Trim/Finish Saw Blade and On-Board Blade Wrench.

NOTE: This model is not recommended for panels larger than 4' x 8' and Accessory Extension Kit 49-22-8108 is recommended for ripping panels over 6' long.

ACCESSORIES

A. HOLD DOWN BAR KIT

49-22-8100 Holds thin, flexible material in place.

B. QUICK STOP GAUGING KIT

49-22-8102 Allows you to quickly and accurately position a sliding aluminum stop block without the need for a wrench. Best suited when custom cutting dimensions are always changing.

C. DUST COLLECTING KIT

Self-contained kit collects dust and debris. Consists of blade guard, dust tube, vinyl hose and roller assembly. Vacuum not included.

49-22-8104 For 6480.

49-22-8105 For 6480-20.

D. WHEEL KIT

49-22-8106 Includes two wheels and allows the Panel Saw to be wheeled from one location to another.

E. EXTENSION KIT

49-22-8108 Should be purchased whenever material over 6' in length will be cut frequently. Extends the roller material carriage 18" on each end, making the overall roller material carriage 8' in length.

F. MID-WAY FENCE KIT

49-22-8110 Allows you to cut small panels waist high on the panel saw frame. System includes both right and left hand sides. 30" rulers, a manual stop block and quick change wood fences.

MOTOR UPGRADE KIT FOR 6480

48-50-0030 Includes 15.0 Amp motor, 20.0 Amp paddle switch, handle, blade guard, saw base and mounting hardware.

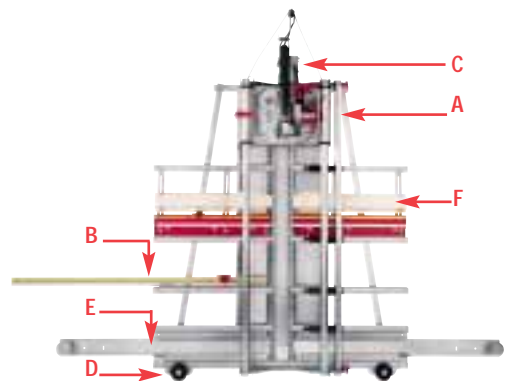
REPLACEMENT 15A MOTOR ASSEMBLY

6486-20 For panel saw 6480-20. Includes motor unit, industrial switch and mounting brackets.

ENDURANCE® BLADES

Extra long life, construction and finishing blades. Carbide C3 grade micro ground teeth stay super sharp.

CAT. NO.	DESCRIPTION	NO. OF TEETH	KERF THICKNESS
48-40-4148	Framing/Ripping	18	.071"
48-40-4150	Rip/Crosscut	24	.071"
48-40-4152	Trim/Finish	40	.071"
48-40-4154	Rip/Crosscut	24	.122"
48-40-4156	Trim/Finish	40	.122"
48-40-4158	Trim/Finish	60	.122"





HEAVY-DUTY CARBIDE CIRCULAR SAW BLADES

HEAVY-DUTY ENDURANCE® BLADES

CONSTRUCTION AND FINISHING ENDURANCE BLADES

CATALOG NUMBER	NUMBER OF TEETH	MAX RPM	TOOTH MATERIAL	DESCRIPTION	KERF THICKNESS
5-3/8" BLADE-LEFT					
48-40-4100 [†]	18	7000	Carbide	Framing/Ripping	.063"
48-40-4104 [†]	36	7000	Carbide	Trim/Finish	.063"
6-1/2" BLADE-LEFT					
48-40-4108*	24	7000	Carbide	Framing/Ripping	.063"
48-40-4112*	40	7000	Carbide	Trim/Finish	.063"
7-1/4" BLADE-LEFT					
48-40-4115<>	16	7000	Carbide	Framing/Ripping	.071"
48-40-4119<>	24	7000	Carbide	Rip/Crosscut	.071"
48-40-4125<>	40	7000	Carbide	Trim/Finish	.071"
7-1/4" BLADE-RIGHT					
48-40-4116<>	16	7000	Carbide	Framing/Ripping	.071"
48-40-4120<>	24	7000	Carbide	Rip/Crosscut	.071"
48-40-4126<>	40	7000	Carbide	Trim/Finish	.071"
48-40-4128<>	24	7000	Carbide	Rip/Crosscut	.106"
48-40-4130<>	40	7000	Carbide	Trim/Finish	.106"
48-40-4132<>	48	7000	Carbide	Non-Ferrous Metal Cut	.106"
48-40-4134	26	7000	Steel	Rip/Crosscut	.106"
48-40-4136	40	7000	Steel	Rip/Crosscut	.106"
48-40-4138	140	7000	Steel	Plywood/Paneling	.106"
48-40-4140<>	-	7000	Steel	Non-Ferrous Metal Cut	.106"
8-1/4" BLADE-RIGHT					
48-40-4148<>	18	7000	Carbide	Framing/Ripping	.071"
48-40-4150<>	24	7000	Carbide	Rip/Crosscut	.071"
48-40-4152<>	40	7000	Carbide	Trim/Finish	.071"
48-40-4154<>	24	7000	Carbide	Rip/Crosscut	.122"
48-40-4156<>	40	7000	Carbide	Trim/Finish	.122"
48-40-4158	60	7000	Carbide	Trim/Finish	.122"
10" BLADE-RIGHT					
48-40-4160	24	6000	Carbide	Framing/Ripping	.122"
48-40-4162	40	6000	Carbide	Trim/Finish	.122"
48-40-4164	60	6000	Carbide	Trim/Finish	.122"
48-40-4166	80	6000	Carbide	Trim/Finish	.122"
48-40-4168	80	6000	Carbide	Non-Ferrous Metal Cut	.122"
10-1/4" BLADE-RIGHT					
48-40-4170	28	6000	Carbide	Rip/Crosscut	.122"
48-40-4172	40	6000	Carbide	Trim/Finish	.122"

DRY CUT METAL AND FIBER CEMENT ENDURANCE BLADES

6-1/2" BLADE-LEFT					
48-40-4005* ¹	60	4200	Carbide	Non-Ferrous Metals/Plastics	.075"
48-40-4015 ¹	48	4200	Carbide	Ferrous Metals	.063"
48-40-4025* ¹	40	7000	Carbide	Fiber Cement	.063"
8" BLADE-RIGHT					
48-40-4515 ²	42	5000	Carbide	Ferrous/Non-Ferrous Metal Cut	.073"

(8", 42 tooth, ATB, 0° rake angle) For cutting material > 3/32" (2.4mm) thick, including:
 • Structural/Shape Steel • Plate Steel/Bar Stock • Stair/Platform Grating • Mild Steel, Stainless Steel, Aluminum

48-40-4520² 50 5000 Carbide Ferrous/Non-Ferrous Metal Cut .073"
 (8", 50 tooth, ATB, -3° rake angle) For cutting material < 3/32" (2.4mm) thick, including:
 • Corrugated Metal Roof/Wall/Floor Deck and Panel • Steel Framing Components
 • Sheet Metal • Mild Steel, Stainless Steel, Aluminum.

ENDURANCE®

- Extra Long Life
- Fast Cutting
- Straight Accurate Cuts
- Regular Or Thin Kerf
- Resists Bending And Twisting



<> Includes diamond knockout

† 10mm arbor hole. All others have 5/8" arbor holes.

* Alternate Top Bevel (ATB) produces a high quality finish cut.

¹ Fits on Cordless Metal Cutting Saw models 6320-20 and 6320-21.

² Fits on 8" Metal Cutting Saw model 6370-20.



HEAVY-DUTY CARBIDE CIRCULAR SAW BLADES

10" MITER SAW PREMIUM CARBIDE-TIPPED BLADES



PREMIUM CARBIDE-TIPPED BLADES—Precision Ground Teeth—Fully Tempered Body

CATALOG NUMBER	NUMBER OF TEETH	MAX RPM	TOOTH SHAPE	KERF THICKNESS	PLATE THICKNESS	HOOK ANGLE	BLADE DESCRIPTION
48-40-3510	40	7000	ATB*	.125"	.086"	12.5°	Rip and Crosscut
48-40-3515	50	7000	ATB*	.125"	.086"	10.0°	Combination
48-40-3520	60	7000	ATB*	.125"	.086"	12.5°	Crosscut and Miter
48-40-3525	60	7000	TCG•	.125"	.086"	-5.0°	Non-Ferrous Metals
48-40-3530	60	7000	TCG	.125"	.086"	12.5°	Plastics and Composites
48-40-3535	72	7000	TCG	.125"	.086"	8.0°	Laminates and Composites
48-40-3540	72	7000	ATB*	.090"	.063"	12.5°	Thin Kerf Finish and Trim
48-40-3545	80	7000	ATB*	.125"	.086"	12.0°	Finish and Trim

* Alternate Top Bevel (ATB) produces a high quality finish cut.
• Triple Chip Grind (TCG) is ideal for cutting brittle materials and non-ferrous metals.

HEAVY-DUTY DIAMOND BLADES AND ABRASIVE CUTTING WHEELS

DRY CUTTING DIAMOND BLADES

A



B



Use on 7-1/4" and 8-1/4" circle saws or 7" and 9" grinders with appropriate type 1 guards.

PRECISION SHARPENED, CHROME PLATED, SMOOTH CUTTING

CATALOG NUMBER	BLADE DIA. INCHES	RIM THICKNESS	DESCRIPTION	ARBOR HOLE INCHES	MAXIMUM RPM
A 49-93-8020	7	.095	Continuous Rim	5/8", 7/8" or Diamond Knockout	7500
B 49-93-8025	8	.102	Continuous Rim	5/8", 7/8" or Diamond Knockout	7500

ABRASIVE CUTTING WHEELS, TYPE 1 REINFORCED

FOR USE WITH 7-1/4", 8-1/4" AND 10-1/4" CIRCLE SAWS



TYPE 1 ALUMINUM OXIDE DISCS FOR USE ON HAND-HELD MACHINES

BLADE DIA. x THICKNESS x ARBOR HOLE (INCHES)	CATALOG NO. 25/ BOX	CATALOG NO. SINGLE DISC	APPLICATION
7 x 1/16 x 5/8 ◇	49-93-4302	49-94-4302	Metal/Stainless Steel
7 x 3/32 x 5/8 ◇	49-93-4301	49-94-4301	General Purpose – Metal
7 x 1/8 x 5/8	–	49-92-4300	General Purpose – Metal
7-1/4 x 1/8 ◇	–	49-92-4380	General Purpose – Metal
8 x 3/32 x 5/8 ◇	49-93-5016	49-94-5016	General Purpose – Metal
8 x 1/8 x 5/8	–	49-92-5010	General Purpose – Metal
8 x 1/8 ◇	–	49-92-5015	General Purpose – Metal
10 x 1/8 x 3/4	–	49-92-5400	General Purpose – Metal

TYPE 1 SILICON CARBIDE DISCS FOR USE ON HAND-HELD MACHINES

BLADE DIA. x THICKNESS x ARBOR HOLE (INCHES)	CATALOG NO. 25/ BOX	CATALOG NO. SINGLE DISC	APPLICATION
7 x 1/8 x 5/8	–	49-92-4310	General Purpose – Concrete
7 x 1/8 x 5/8 ◇	49-93-4311	49-94-4311	General Purpose – Concrete
7-1/4 x 1/8 ◇	–	49-92-4370	General Purpose – Concrete
8 x 1/8 x 5/8	–	49-92-5000	General Purpose – Concrete
8 x 1/8 ◇	–	49-92-5005	General Purpose – Concrete
10 x 1/8 x 3/4	–	49-92-5410	General Purpose – Concrete

◇ = diamond knockout



HEAVY-DUTY UNIVERSAL SHANK JIG SAW AND BLADES

- Heavy-Duty 3.8 Amp Motor
- Trigger Speed Control/0-3100 SPM
- Ball And Roller Bearing Construction
- Motor Fan Clears Sawdust For Maximum Cut Line Visibility

6256-6

• USES UNIVERSAL SHANK BLADES



ACCESSORIES

RIP FENCE FOR ACCURATE STRAIGHT CUTS

49-22-4090 Optional equipment.

STEEL CARRYING CASE

48-55-1077 Optional equipment. Also for previous models 6245, 6246 and 6255.

5 PACK "U" SHANK BLADE ASSORTMENT

49-22-1168 Optional equipment. Consists of one each blades Nos. 48-42-2120, 48-42-2160, 48-42-2190, 48-42-2300 and 48-42-2310 with 1/4" universal tang.

SPECIFICATIONS

CATALOG NUMBER	SPEED TYPE	VOLTS	AMPS	STROKES PER MINUTE	LENGTH INCHES	WIDTH INCHES	HEIGHT INCHES	NET WGT. LBS.	SHIP. WGT. LBS.
6256-6	VARIABLE	120 AC ONLY	3.8	0-3100	10-3/8	2-7/8	8-1/2	5.8	6.8

STANDARD EQUIPMENT: FOR 6256-6 – Jig Saw Blade Assortment for Wood & Metal.

U-SHANK BLADES FIT JIG SAW 6256-6 AND OTHER POPULAR BRANDS



	CATALOG NUMBER	QUANTITY PER PKG.	BLADE MATERIAL*	TEETH PER INCH	TOOTH TYPE	LENGTH (INCHES)	WIDTH (INCHES)	RECOMMENDED USE
GENERAL PURPOSE								
	48-42-2300	5	Bi-Metal	6	Milled & Set	4	9/32	Fast cutting, nail embedded wood
	48-42-2310	5	Bi-Metal	10	Milled & Set	4	9/32	Fast cutting, nail embedded wood
	48-42-2390	5	Bi-Metal	12	Milled, Wavy Set	2-3/4	3/16	Scroll cutting in wood & metal
	48-42-0200	5	High Carbon Steel	6	Milled & Set	4	9/32	Very fast rough cutting, wood
	48-42-0220	5	High Carbon Steel	8	Milled & Set	4	9/32	Fast straight cutting, wood
WOOD CUTTING								
	48-42-2302	5	Bi-Metal	6	Taper Ground	4	9/32	Very fast clean cutting
	48-42-2311	5	Bi-Metal	10	Taper Ground	4	9/32	Fast clean cutting
	48-42-2385	5	Bi-Metal	20	Taper Ground	2-3/4	3/16	Scroll cutting in wood & laminates
	48-42-0421	5	High Carbon Steel	6	Ground & Set	4	9/32	Very fast rough cutting
	48-42-0500	5	High Carbon Steel	6	Taper Ground	4	9/32	Very fast clean cutting
	48-42-0240	5	High Carbon Steel	8	Taper Ground	3-1/8	7/32	Clean cutting
	48-42-0540	5	High Carbon Steel	10	Taper Ground	4	9/32	Straight clean cutting
	48-42-0640	5	High Carbon Steel	10	Taper Ground	4	9/32	Reverse tooth, no top splinters
	48-42-0650	5	High Carbon Steel	12	Milled, Wavy Set	2-3/4	5/32	Clean scroll cutting
METAL CUTTING								
	48-42-0850	5	Bi-Metal	8	Milled & Set	4	9/32	Aluminum, non-ferrous metals
	48-42-2190	5	Bi-Metal	14	Milled, Wavy Set	3-5/8	9/32	Thick metal over 1/4 inch thick
	48-42-2192	5	Bi-Metal	14	Milled, Raker Set	5	9/32	Thick metal, tubing, etc.
	48-42-2120	5	Bi-Metal	18	Milled, Wavy Set	2-3/4	9/32	Metal over 1/8 inch thick
	48-42-2160	5	Bi-Metal	24	Milled, Wavy Set	2-3/4	9/32	Metal under 1/8 inch thick
	48-42-2166	5	Bi-Metal	24	Milled, Wavy Set	5	9/32	Thin metal under 1/8 inch thick
	48-42-0101	5	High Speed Steel	14	Milled, Raker Set	2-3/4	9/32	Metal over 1/4 inch thick
	48-42-0120	5	High Speed Steel	18	Milled, Wavy Set	2-3/4	9/32	Metal over 1/8 inch thick
	48-42-0140	5	High Speed Steel	24	Milled, Wavy Set	2-3/4	9/32	Metal under 1/8 inch thick
SPECIAL APPLICATION								
	48-42-0700	5	High Carbon Steel	Knife	—	3-5/8	9/32	Rubber & foam materials
	48-42-0801	5	Carbide-Tipped	Grit	—	2-3/4	5/16	Ceramics, tile

* Bi-Metal = Super-tough bonded alloy steel for long life and faster cuts.
High Carbon Steel = tough durable carbon alloy blade for multi-purpose uses.
High Speed Steel = general purpose blade.

◆ = Available in 1000 pack quantities. See your MILWAUKEE distributor or representative for further information.



HEAVY-DUTY T-SHANK ORBITAL JIG SAWS

6266-22(KIT)

- POWERFUL 6.2 AMP MOTOR
- VARIABLE SPEED CONTROL DIAL



**TOP HANDLE
ORBITAL
JIG SAW**



**BODY GRIP
ORBITAL
JIG SAW**

6276-21

- POWERFUL 6.2 AMP MOTOR
- VARIABLE SPEED CONTROL DIAL



- 6.2 Amp
- Orbital Cutting Action With 4 Settings
- Patented Quik-Lok Blade Change System
- Keyless 45° Bevel Shoe For Angle Cuts
- Counter Balance Mechanism For Smooth Operation
- Cast Aluminum Shoe
- All-Metal Gear Case
- Baffle Control With 10-Setting Dust Blower Adjustment
- 7-Setting Speed Dial Control (500-3000 SPM) For Cutting A Variety Of Materials
- Built-In Dust Collection Port Allows Attachment To Vacuum
- 9.5' Rubber Cord
- Heavy-Duty All Metal Gear Case
- Patented Quik-Lok Blade Change System
- Low Position Roller Guide For Blade Stability And Precision Cutting
- 4-Position Orbital Selection Lever For Fast Ripping Or Precise Cutting
- Die Cast Aluminum Shoe Provides Superior Rigidity And Durability
- Dust Collection Port For Easy Connection To Vacuum
- Keyless Bevel Shoe Adjustment Lever
- Large Convenient On/Off Switch
- Power Lock-On
- Uses T-Shank Blades



SPECIFICATIONS

CATALOG NUMBER	SPEED TYPE	VOLTS	AMPS	STROKES PER MINUTE	LENGTH INCHES	WIDTH INCHES	HEIGHT INCHES	NET WGT. LBS.	SHIP. WGT. LBS.
6266-22	VARIABLE	120 AC ONLY	6.2	500-3000	11-3/4	3	8-7/8	5.3	8.8
6276-21	VARIABLE	120 AC ONLY	6.2	500-3000	11-3/4	3	7-1/2	5.0	8.4

STANDARD EQUIPMENT: FOR 6266-22 Anti-Splintering Device, Two Accessory Blades, Plastic Shoe Cover and Impact Resistant Carrying Case. FOR 6276-21 Anti-Splintering Device, Two Accessory Blades, Plastic Shoe Cover and Impact Resistant Carrying Case.

ACCESSORIES

	USE WITH THESE TOOLS:		DESCRIPTION
	6276-21	6266-22	
ANTI-SPLINTERING DEVICE	48-08-0531	48-08-0530	For clean cutting edge. 3 per package.
PLASTIC SHOE COVER	48-08-0533	48-08-0532	Prevents scratches on delicate surfaces. Quick and easy to mount on tool.
VACUUM MANIFOLD AND HOSE	48-09-1040	48-09-1030	For vacuum assisted dust collection. Quick and easy to fasten on tool. Keeps work piece and air clean of chips and dust.
COMBINATION RIP AND CIRCLE GUIDE	49-22-4250	49-22-4245	Produces accurate parallel and circle cuts.
IMPACT RESISTANT CARRYING CASE	48-55-6250	-	Conveniently stores saw and accessories. For 6266-22 and 6276-21 models only.



HEAVY-DUTY T-SHANK JIG SAW BLADES

T-SHANK BLADES FIT JIG SAWS 6266-6, 6266-21, 6276-6, 6267-20, 6267-21 AND OTHER POPULAR BRANDS

	CATALOG NUMBER	QUANTITY PER PKG.	BLADE MATERIAL*	TEETH PER INCH	TOOTH TYPE	LENGTH (INCHES)	WIDTH (INCHES)	RECOMMENDED USE
GENERAL PURPOSE								
	48-42-5300	5	Bi-Metal	6	Milled & Set	4	9/32	Fast cutting, nail embedded wood
	48-42-5310	5	Bi-Metal	10	Milled & Set	4	9/32	Fast cutting, nail embedded wood
	48-42-5390	5	Bi-Metal	12	Milled, Wavy Set	3	3/16	Scroll cutting in wood & metal
	48-42-5200	5	High Carbon Steel	6	Milled & Set	4	9/32	Very fast rough cutting, wood
	48-42-5220	5	High Carbon Steel	8	Milled & Set	4	9/32	Fast straight cutting, wood
WOOD CUTTING								
	48-42-5302	5	Bi-Metal	6	Taper Ground	4	9/32	Very fast clean cutting
	48-42-5311	5	Bi-Metal	10	Taper Ground	4	9/32	Fast clean cutting
	48-42-5385	5	Bi-Metal	20	Taper Ground	3	3/16	Scroll cutting in wood & laminates
	48-42-5421	5	High Carbon Steel	6	Ground & Set	4	9/32	Very fast rough cutting
	48-42-5500	5	High Carbon Steel	6	Taper Ground	4	9/32	Very fast clean cutting
	48-42-5512	5	High Carbon Steel	6	Ground & Set	4	1/4	Very fast, rough curve cutting
	48-42-5240	5	High Carbon Steel	10	Taper Ground	4	9/32	Clean cutting
	48-42-5540	5	High Carbon Steel	10	Taper Ground	4	9/32	Reverse tooth, no top splinters
	48-42-5640	5	High Carbon Steel	12	Milled, Wavy Set	3	5/32	Clean scroll cutting
METAL CUTTING								
	48-42-5850	5	Bi-Metal	8	Milled & Set	4	9/32	Aluminum, non-ferrous metals
	48-42-5190	5	Bi-Metal	14	Milled, Wavy Set	3	9/32	Thick metal over 1/4 inch thick
	48-42-5192	5	Bi-Metal	14	Milled, Raker Set	5-1/4	9/32	Thick metal, tubing, etc.
	48-42-5121	5	Bi-Metal	18	Milled, Wavy Set	3	9/32	Metal over 1/8 inch thick
	48-42-5161	5	Bi-Metal	24	Milled, Wavy Set	3	9/32	Metal under 1/8 inch thick
	48-42-5166	5	Bi-Metal	24	Milled, Wavy Set	5-1/4	9/32	Thin metal under 1/8 inch thick
	48-42-5101	5	High Speed Steel	14	Milled, Wavy Set	3	9/32	Metal over 1/4 inch thick
SPECIAL APPLICATION								
	48-42-5700	5	High Carbon Steel	Knife	—	4	9/32	Rubber & foam materials



5 PACK "T" SHANK BLADE ASSORTMENT

49-22-1178 includes blades
 48-42-5121 Metal Cutting
 48-42-5161 Metal Cutting
 48-42-5190 Metal Cutting
 48-42-5300 General Purpose
 48-42-5310 General Purpose

* Bi-Metal = Super-tough bonded alloy steel for long life and faster cuts.
 High Carbon Steel = tough durable carbon alloy blade for multi-purpose uses.
 High Speed Steel = general purpose blade.

JIG SAW BLADE SELECTION GUIDE

TYPE OF CUTTING	WOOD								METAL				PLASTICS		RUBBER					
	HARD & SOFT WOOD		CHIPBOARD		LAMINATES		PLYWOOD		NAIL EMBEDDED		SHEET METAL		MILD STEEL		NON-FERROUS METALS		PLASTICS & FIBERGLASS		RUBBER & FOAM BOARD	
SHANK TYPE	"U"	"T"	"U"	"T"	"U"	"T"	"U"	"T"	"U"	"T"	"U"	"T"	"U"	"T"	"U"	"T"	"U"	"T"	"U"	"T"
STRAIGHT	48-42-0220	48-42-5220	48-42-0500	48-42-5302	48-42-0500	48-42-5500	48-42-0240	48-42-5240	48-42-2300	48-42-5300	48-42-2120	48-42-5121	48-42-0101	48-42-5101	48-42-0101	48-42-5101	48-42-0801	48-42-5311	48-42-0700	48-42-5700
CURVE/SCROLL	48-42-0421	48-42-5240	48-42-2302	48-42-5500	48-42-0512	48-42-5385	48-42-2385	48-42-5385	48-42-2390	48-42-5390	48-42-2390	48-42-5390	48-42-2390	48-42-5390	48-42-2390	48-42-5390	48-42-0512	48-42-5512	48-42-0700	48-42-5700
THICK MATERIAL	48-42-0500	48-42-5302	48-42-2302	48-42-5500	48-42-0500	48-42-5500	48-42-2300	48-42-5300	48-42-2120	48-42-5121	48-42-2160	48-42-5161	48-42-2166	48-42-5166	48-42-0850	48-42-5850	48-42-0850	48-42-5302	48-42-2302	48-42-5850
THIN MATERIAL	48-42-0240	48-42-5240	48-42-2311	48-42-5311	48-42-0640	48-42-5540	48-42-2310	48-42-5310	48-42-2160	48-42-5161	48-42-2120	48-42-5121	48-42-2120	48-42-5121	48-42-0640	48-42-5311	48-42-0801	48-42-5540	48-42-2311	48-42-5801
FINE FINISH	48-42-0540	48-42-5240	48-42-2311	48-42-5311	48-42-0640	48-42-5540	48-42-0540	48-42-5240	48-42-2310	48-42-5310	48-42-2311	48-42-5311	48-42-0540	48-42-5240	48-42-2311	48-42-5311	48-42-0540	48-42-5240	48-42-2311	48-42-5311
COARSE FINISH	48-42-0200	48-42-5200	48-42-0421	48-42-5300	48-42-0421	48-42-5421	48-42-0220	48-42-5220	48-42-2300	48-42-5300	48-42-2302	48-42-5302	48-42-2192	48-42-5192	48-42-0200	48-42-5200	48-42-0220	48-42-5220	48-42-0801	48-42-5801

"U" = Universal shank blades "T" = T-shank blades



HEAVY-DUTY ORBITAL FINISHING SANDERS

6016-6



EXCLUSIVE 6016-6 AND 6017-6 FEATURES:

- Uses 1/4 Of Standard 9" x 11" Sandpaper
- Fast Finish Sanding—13,000 Orbits/Min. 1/16" Diameter Of Orbit
- Ball Bearing Construction
- Designed For One Hand Operation
- Rocker Type On/Off Switch
- Fast Sandpaper Change With Lever Type Clamps
- Built For Continuous Production Use
- 8' 2-Wire Rubber Cord

6017-6

• DUST BAG INCLUDED



EXCLUSIVE 6018-6 AND 6019-6 FEATURES:

- **Random Orbit Design**
Features free floating sanding pad for random rotation and a fine, swirl-free finish. Ideal for all types of finish sanding.
- Ball Bearing Construction
- Engineered To Reduce Vibration
- Dust Pick-Up With Collector Bag Provided
- Rocker Type Switch With On/Off Guard
- Uses Standard 5" Diameter Sanding Discs With 8 Holes
- 8' 2-Wire Rubber Cord

6018-6

• PSA PAD AND DUST BAG INCLUDED



6019-6

• HOOK AND LOOP PAD AND DUST BAG INCLUDED



SPECIFICATIONS

CATALOG NUMBER	DESCRIPTION	SANDPAPER REQUIRED	PAD SIZE	VOLTS AC ONLY	AMPS	ORBITS PER MIN. (NO LOAD)	DIAMETER OF ORBIT	NET WGT. LBS.	SHIP WGT. LBS.
6016-6	WITHOUT DUST COLLECTOR	1/4 SHEET	4-1/4" x 4"	115	1.8	13,000	1/16"	2.9	3.3
6017-6	WITH DUST COLLECTOR	1/4 SHEET	4-1/4" x 4"	115	1.8	13,000	1/16"	2.8	3.5
6018-6	WITH DUST COLLECTOR	PSA—NO HOLE OR 8 HOLE	5"	115	1.8	12,000	3/32"	2.9	3.5
6019-6	WITH DUST COLLECTOR	HOOK AND LOOP—NO HOLE OR 8 HOLE	5"	115	1.8	12,000	3/32"	2.9	3.5

STANDARD EQUIPMENT: FOR 6016-6 - Orbital Finishing Sander. **FOR 6017-6** - Orbital Finishing Sander, Dust Collector Bag and Punch Plate. **FOR 6018-6** - Orbital Finishing Sander, PSA Pad and Dust Collector Bag. **FOR 6019-6** - Orbital Finishing Sander, Hook and Loop Pad and Dust Collector Bag.

ACCESSORIES

SANDPAPER FOR RANDOM ORBIT SANDERS

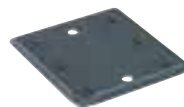
CATALOG NUMBER	GRIT	SANDPAPER HOOK AND LOOP	QUANTITY PER PACK
48-80-4300	60	5" WITH 8 HOLES	5
48-80-4305	80	5" WITH 8 HOLES	5
48-80-4310	120	5" WITH 8 HOLES	5
48-80-4315	180	5" WITH 8 HOLES	5
48-80-4320	240	5" WITH 8 HOLES	5
48-80-4325*	60	6" WITH 16 HOLES	5
48-80-4330*	80	6" WITH 16 HOLES	5
48-80-4335*	120	6" WITH 16 HOLES	5
48-80-4340*	180	6" WITH 16 HOLES	5
48-80-4345*	240	6" WITH 16 HOLES	5

DUST COLLECTOR BAG

48-09-0310 Keeps work area clean with constant dust pick up. Zippered bag empties easily.

PUNCH PLATE

49-80-2050 Punctures attached sandpaper allowing for dust removal.



ADAPTER, VACUUM HOSE

48-03-0100 For attaching 1-1/2" vacuum hose 48-09-1020.

PSA REPLACEMENT PADS

49-36-7070 Pad Size 5" - 8 hole pad

HOOK AND LOOP REPLACEMENT PADS

49-36-7075 Pad Size 5" - 8 hole pad



VACUUM HOSE

48-09-1020 For attaching to vacuum.

*For use on previous models 6020-20 (6"), 6025-20 (5").



HEAVY-DUTY 4" BELT SANDER AND ORBITAL SANDER

5936

- 4" X 24" BELT SANDER
- 10 AMP, 1,400 SFPM
- DUST BAG INCLUDED



4" x 24" BELT SANDER WITH DUST BAG

- Heavy-Duty 10.0 Amp Motor For Fast Sanding and Continuous Use
- Weight Is Centered Directly Over Base For Control/ Balance
- Belt Release Lever For Quick Belt Change
- Rubber Coated Rear Pulley For full traction under heavy pressure.
- Impact Resistant Glass Reinforced Nylon Construction
- Large Dust Collector Bag For constant, powerful dust pick-up. Out of way—empties easily.
- Sands Flush

6010-6

- 1/2 SHEET ORBITAL SANDER
- 5 AMP, 12,000 ORBITS/MIN.



1/2 SHEET ORBITAL SANDER

- Powerful 5.0 Amp Motor For heavy sanding.
- 12,000 Orbits /Min. For fast removal, blemish free surfaces.
- For Continuous Production Use
- Designed For 1 Or 2 Hand Control
- Impact Resistant Reinforced Nylon Housing And Handles
- Precision Engineered For Low Vibration

SPECIFICATIONS

CATALOG NUMBER	PAD SIZE (INS.)	BELT SIZE (INS.)	VOLTS AC/DC	AMPS	ORBITS PER MIN. (NO LOAD)	BELT SPEED SFPM	DIAMETER OF ORBIT (INS.)	LENGTH (INS.)	WIDTH (INS.)	HEIGHT (INS.)	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
5936	—	4	120	10.0	—	1400	—	10-1/2	6-1/2	16-1/2	14.5	17.3
6010-6	4-1/2 x 9-1/4	—	120	5.0	12,000	—	1/8	11-1/2	4-1/2	7	7.0	8.0

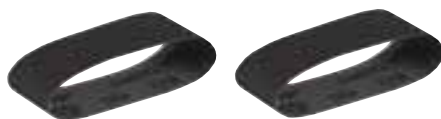
STANDARD EQUIPMENT: FOR 5936 – Sander and (1) 80 Grit Sanding Belt. FOR 6010-6 – Sander only.

ACCESSORIES

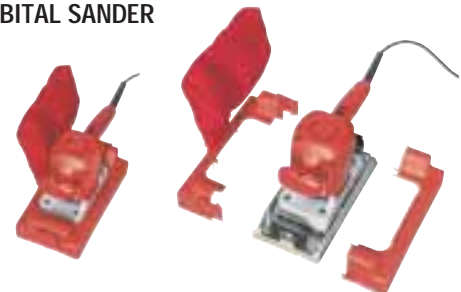
BELT SANDER

OPEN COAT SANDING BELTS FOR BELT SANDERS

CATALOG NUMBER	SIZE (INS.)	BELTS PER PKG.	GRIT	TYPE	USE
49-37-4036	4 x 24	10	36	COARSE	For fast sanding of wood and non-ferrous materials.
49-37-4060	4 x 24	10	60	MEDIUM	For general smoothness of wood or metal.
49-37-4080	4 x 24	10	80	MEDIUM	For general smoothness of wood or metal.
49-37-4100	4 x 24	10	100	FINE	For fine smoothness of wood or metal.
49-37-4120	4 x 24	10	120	FINE	For finish work on wood or metal.



ORBITAL SANDER



SELF STICKING REPLACEMENT PADS (Optional)

Pads which accept adhesive-backed sandpaper are standard equipment. It is your choice to use standard paper with pad clamps or self stick paper.

49-22-0052 For 6010-6 Sander.

EXTRA FIRM BACKING PAD KITS (Optional)

49-22-0043 For 6010-6 Sander.

DUST PICK UP KIT (Optional)

48-09-0300 Kit snaps on and is ready for sanding in seconds. Only for use with the No. 6010-6 sander.

DUST COLLECTOR BAG (Optional)

42-16-0535 For model 5936.



HEAVY-DUTY 5" RANDOM ORBITAL SANDER

6125

- 5" DIA. (5/32" ORBIT DIA.)
- 5.5 AMPS, 10,000 ORBITS/MIN



- **Powerful 5.5 Amp Motor**
With Large 5/32" Orbit Diameter For Fast, Aggressive Material Removal.
- **Convenient Paddle Switch and 3-Position Handle**
Provides Comfort And Control.
- **All Ball and Roller Bearings**
For Long Life.
- **Uses Pressure Sensitive Adhesive (PSA)**
Sanding Discs

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC-DC	AMPS	ORBITS PER MINUTE (NO LOAD)	LENGTH (INS.)	WIDTH (INS.)	HEIGHT (INS.)	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
6125	120	5.5	10,000	12.0	5	6	5.0	6.0

STANDARD EQUIPMENT: 6125 – Includes three Sandpaper Discs (one each of 80, 120 and 180 grit) and 3/4" Wrench No. 49-96-4078.

ACCESSORIES

RANDOM ORBIT SANDER CONVERSION KITS

Convert your MILWAUKEE 4-1/2" or 5" Sander/Grinder to a Random Orbit Sander. Regular kits fit other competitive 4-1/2" and 5" Sander/Grinders.



REGULAR CAT. NO.	KIT SIZE	THREAD SIZE	CONVERTS/MODELS	TO
49-36-7000	5"	5/8"-11	6140, 6141, 6142, 6148-6, 6149-6 and 6151	Standard Pad without dust pick-up holes
49-36-7010	6"	5/8"-11	6140, 6141, 6142, 6148-6, 6149-6 and 6151	Standard Pad without dust pick-up holes
49-36-7015	6"	1/2"-13	6145	Standard Pad without dust pick-up holes

RANDOM ORBIT SANDER PADS

Standard Pad (see A, B below) – Good for general purpose flat sanding applications.



ITEM	CATALOG NO.	DESCRIPTION
A.	49-36-7030	5" Standard Pad
B.	49-36-7040	6" Standard Pad

PSA SANDPAPER DISC SELECTOR CHART

REGULAR				WITH HOLES (5"–5 HOLES, 6"–6 HOLES)				DIA.	GRIT	WT.	MATERIAL	APPLICATION
CAT. NO.	QTY.	CAT. NO.	QTY.	CAT. NO.	QTY.	CAT. NO.	QTY.					
48-80-1000	10	48-80-1035	50	48-80-1200	10	48-80-1235	50	5"	80	D	Aluminum Oxide	Rough sanding and stripping of painted and rusted surfaces.
48-80-1005	10	48-80-1040	50	48-80-1205	10	48-80-1240	50	5"	100	A	Silicon Carbide	Intermediate sanding and minor surface imperfections.
48-80-1010	10	48-80-1045	50	48-80-1210	10	48-80-1245	50	5"	120	A	Silicon Carbide	
48-80-1015	10	48-80-1050	50	48-80-1215	10	48-80-1250	50	5"	150	A	Silicon Carbide	Fine sanding prior to staining, priming or sealing.
48-80-1020	10	48-80-1055	50	48-80-1220	10	48-80-1255	50	5"	180	A	Silicon Carbide	
48-80-1025	10	48-80-1060	50	48-80-1225	10	48-80-1260	50	5"	220	A	Silicon Carbide	
48-80-1030	12	–	–	48-80-1230	12	–	–	5"	–	–	–	Assortment Pack containing two each of the above 5" discs.
48-80-1100	10	48-80-1135	50	48-80-1300	10	48-80-1335	50	6"	80	D	Aluminum Oxide	Rough sanding and stripping of painted and rusted surfaces.
48-80-1105	10	48-80-1140	50	48-80-1305	10	48-80-1340	50	6"	100	A	Silicon Carbide	Intermediate sanding and minor surface imperfections.
48-80-1110	10	48-80-1145	50	48-80-1310	10	48-80-1345	50	6"	120	A	Silicon Carbide	
48-80-1115	10	48-80-1150	50	48-80-1315	10	48-80-1350	50	6"	150	A	Silicon Carbide	Fine sanding prior to staining, priming or sealing.
48-80-1120	10	48-80-1155	50	48-80-1320	10	48-80-1355	50	6"	180	A	Silicon Carbide	
48-80-1125	10	48-80-1160	50	48-80-1325	10	48-80-1360	50	6"	220	A	Silicon Carbide	
48-80-1130	12	–	–	48-80-1330	12	–	–	6"	–	–	–	Assortment Pack containing two each of the above 6" discs.



HEAVY-DUTY ROUTERS

5625-20

• 3-1/2 MAX HP EVS
PRODUCTION ROUTER



- 100% Sealed Ball Bearing Construction
- Exclusive Linear Depth Adjustment System With Above-The-Table Access
- Fine Adjustment Within 1/64"



5619-20 FEATURES

- 11.0 Amp, 1-3/4 Maximum Horsepower Milwaukee Motor (24,000 RPM)
- Tactile Soft-Grip D-Handle
- Multi-Position Tactile Side Handle For Comfort And Control

5625-20 FEATURES

- 15.0 Amp, 3-1/2 Maximum Horsepower Milwaukee Motor
- 36-Speed Electronic Variable Speed (10,000-22,000 RPM)
- Electronic Feedback Circuitry Maintains Speed And Power Under Load
- Large Tactile Grip Side Handles For Comfort And Control
- Convenient Motor Lock Lever And Motor Release Button For Secure, Accurate Cuts
- Motor Contamination Shield Minimizes contamination damage without sacrificing airflow

5619-20

• 1-3/4 MAX HP
D-HANDLE ROUTER



MOTORS ONLY (Less Router Base)

5619-29 MOTOR

For 1-3/4 Max HP D-Handle Unit
Includes two 1-1/8" collet wrenches,
1/2" collet, 1/4" collet.



5625-29 MOTOR

For 3-1/2 Max HP EVS Production Unit
Includes two 1-1/8" collet wrenches,
1/2" collet, 1/4" collet.



SPECIFICATIONS

CATALOG NUMBER	VOLTS AC-DC	MAX H.P.	AMPS	NO LOAD SPEED RPM	COLLET CAPACITY	DEPTH ADJUSTMENT RANGE	SUB BASE DIAMETER	OVERALL HEIGHT	NET WGT. LBS.	SHIP. WGT. LBS.
5619-20	120	1.75	11.0	24,000	1/4", 1/2"	1-21/32"	6"	8-1/2"	9.2	11.5
5625-20	120	3.5	15.0	10,000-22,000	1/4", 1/2"	1-21/32"	7"	9-1/4"	11.8	15.4

Standard Equipment: For 5619-20 Includes: D-Handle Router, Two 1-1/8" Collet Wrenches, 1/2" Collet, 1/4" Collet. For 5625-20: Production EVS Router, Two 1-1/8" Collet Wrenches, 1/4" Collet, 1/2" Collet, T-Handle Height Wrench, 1-3/16" Clear Sub-base, 2-1/2" Clear Sub-base, Two Tactile Palm Grip Handles And Operators' Manual.



HEAVY-DUTY BODYGRIP® ROUTERS

BODYGRIP® ROUTER

5616-20

• 2-1/4 MAX HP
EVS BODYGRIP® ROUTER



5616-21

• 2-1/4 MAX HP
EVS BODYGRIP® ROUTER KIT



5615-20

• 1-3/4 MAX HP
BODYGRIP® ROUTER



5615-21

• 1-3/4 MAX HP
BODYGRIP® ROUTER KIT



- Exclusive Tactile BodyGrip® With Adjustable Handstrap
- Exclusive Linear Depth Adjustment System With Above-The-Table Access
- 100% Sealed Ball Bearing Construction
- Multi-Position Tactile Grip Side Handles For Comfort And Control
- Durable Machined Aluminum Motor Housing And Base



5615-20 & 5615-21 FEATURES

- 1-3/4 Max Horsepower Milwaukee Motor
- 11.0 Amp, 24,000 RPM

EXCLUSIVE 5616-20 & 5616-21 FEATURES

- 2-1/4 Maximum Horsepower EVS Milwaukee Motor
- 13.0 Amp
- Electronic Variable Speed (10,000 - 24,000 Rpm) With Soft-Start
- Premium Motor Feedback Circuitry Maintains Speed And Power Under Load
- Motor Contamination Shield Minimizes contamination damage without sacrificing airflow.

EXCLUSIVE 5615-21 & 5616-21 FEATURES

- **Integral RouterStation™**
Case includes removable base for convenient, reliable router storage. Fastens quickly and securely to any surface.



MOTORS ONLY

5615-29 MOTOR

(Less Router Base)

For 1-3/4 Max HP BodyGrip® Unit
Includes two 1-1/8" collet wrenches,
1/2" collet, 1/4" collet.



5616-29 MOTOR

For 2-1/4 Max HP BodyGrip® Unit
Includes two 1-1/8" collet wrenches,
1/2" collet, 1/4" collet.



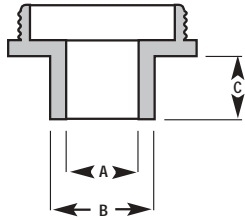
SPECIFICATIONS

CATALOG NUMBER	VOLTS AC-DC	MAX H.P.	AMPS	NO LOAD SPEED RPM	COLLET CAPACITY	DEPTH ADJUSTMENT RANGE	SUB BASE DIAMETER	OVERALL HEIGHT	NET WGT. LBS.	SHIP. WGT. LBS.
5615-20	120	1.75	11.0	24,000	1/4", 1/2"	1-21/32"	6"	8-1/2"	8.8	10.8
5615-21	120	1.75	11.0	24,000	1/4", 1/2"	1-21/32"	6"	8-1/2"	8.8	14.8
5616-20	120	2.25	13.0	10,000-24,000	1/4", 1/2"	1-21/32"	6"	10"	8.8	11.2
5616-21	120	2.25	13.0	10,000-24,000	1/4", 1/2"	1-21/32"	6"	10"	8.8	14.8

Standard Equipment: For 5615-20 Includes: BodyGrip® Router, Two 1-1/8" Collet Wrenches, 1/2" Collet, 1/4" Collet. For 5615-21 Includes: BodyGrip® Router, Two 1-1/8" Collet Wrenches, 1/2" Collet, 1/4" Collet, Impact Resistant Carrying Case With RouterStation. For 5616-20 Includes: BodyGrip® EVS Router, Two 1-1/8" Collet Wrenches, 1/4" Collet, 1/2" Collet, And T-Handle Height Adjustment Wrench. For 5616-21 Includes: BodyGrip® EVS Router, Two 1-1/8" Collet Wrenches, 1/4" Collet, 1/2" Collet, T-Handle Height Adjustment Wrench, Impact Resistant Carrying Case With RouterStation™.



HEAVY-DUTY ROUTER ACCESSORIES



TEMPLATE GUIDE KIT - 9 PIECE

49-54-0700 Kit includes case, 7 template guides - 1 of each and 2 lock-nuts.



CATLOG NO.	PURPOSE	QTY PKG*	(A) INNER DIM.	(B) OUTER DIM.	(C) DISTANCE PAST BASE	W			D			H	WEIGHT (LBS.)
						x	x	x	x	x	x		
49-54-0710	Dovetail 1/4" + lock-nut	1	1/4"	5/16"	5/32"	5.6"	x	3.8"	x	.8"			0.15
49-54-0715	General Routing + lock-nut	1	9/32"	3/8"	5/16"	5.6"	x	3.8"	x	.8"			0.15
49-54-0720	Dovetail 1/2" & General Routing + lock-nut	1	11/32"	7/16"	5/32"	5.6"	x	3.8"	x	.8"			0.15
49-54-0725	General Routing + lock-nut	1	13/32"	1/2"	5/16"	5.6"	x	3.8"	x	.8"			0.15
49-54-0730	General Routing + lock-nut	1	17/32"	5/8"	9/16"	5.6"	x	3.8"	x	.8"			0.15
49-54-0735	Hinge Butt Routing + lock-nut	1	5/8"	51/64"	9/16"	5.6"	x	3.8"	x	.8"			0.15
49-54-0740	Lock Face Routing + lock-nut	1	21/32"	3/4"	9/16"	5.6"	x	3.8"	x	.8"			0.15
44-40-0170	Lock Nut For Template Guides	1	-	-	-	.3"	x	1.4"	x	1.4"			0.04

*Not available in Masterpacks

ROUTER EDGE GUIDE

49-54-1035

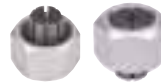


- Tough all-metal construction for strength and durability.
- Micro-fine adjustment dial ensures precise routing to within 1/128th.
- Innovative guide design provides maximum capacity and consistent accuracy.
- Extra-long mounting rods for maximum cut capacity (9" from board edge).
- Extra-wide, steel guide fence with auxiliary mounting holes enhanced control and maximum capacity.
- Large, comfortable set screws for comfort and convenience.

COLLET & NUT ASSEMBLIES

For Milwaukee Routers; No's. 5615, 5616, 5619 and 5625.

- 48-66-1015 1/4" Collet & nut assemblies
- 48-66-1020 1/2" Collet & nut assemblies



COLLETS FOR PREVIOUS MILWAUKEE ROUTERS 1.5 and 2.0 MAX. HP MODELS

For Milwaukee Routers; No's. 5610, 5620, 5650, 5660, 5670, 5680, 5681 and 5682.

- 48-66-0985 1/4" Collet
- 48-66-1000 3/8" Collet
- 48-66-1010 1/2" Collet

BODYGRIP BASE ASSEMBLY

48-10-5615 For all BodyGrip® units (5615 & 5616 series). Base includes BodyGrip® with adjustable handstrap, 2-1/2" center hole sub-base, two handles and motor lock lever.



D-HANDLE BASE ASSEMBLY

48-10-5619 For 1-3/4 max horsepower D-Handle units (5619). Base includes D-Handle, 2-1/2" center hole sub-base, one handle and motor lock lever.



BASE ASSEMBLY

48-10-5625 For 3-1/2 max horsepower fixed base unit (5625-20). Base includes two tactile grip, removable handles, 2-1/2" center hole sub-base and motor lock lever.



SUB-BASES

- Black**
- 49-54-1040* 6" dia., 1-3/16" Center hole sub-base
- 49-54-1045* 6" dia., 2-1/2" Center hole sub-base
*For use with 5615, 5616 and 5619
- Clear**
- 49-54-1025** 7" dia., 2-1/2" Center hole clear sub-base
- 49-54-1026** 7" dia., 1-3/16" Center hole clear sub-base
**For use with 5625



ROUTERSTATION™

48-55-5620

Durable router and accessory storage unit and/or replacement base for router case (48-55-5615). Permits router storage with installed bit and pre-set height adjustment. Fastens quickly to any flat surface. On-board collet wrench and router bit storage. (Patent pending.)



IMPACT RESISTANT CARRYING CASE

48-55-5615

Standard equipment for 5615-21 and 5616-21 Kits. Impact resistant carrying case with exclusive integral RouterStation™

- Case features on-board wrench and collet storage
- Removable base for convenient, reliable router storage



ABOVE-THE-TABLE DEPTH WRENCH

49-96-0370 3/8" Hex drive wrench for use with above-the-table depth adjustment system - all models.



COLLET WRENCH

49-96-0365 1-1/8" Forged collet wrench



DOOR AND JAMB BUTT TEMPLATE KIT

49-54-0101 Includes case, template, link rail assemblies, template nails, end gauges and hinge butt guide No. 49-54-0730 for use with MILWAUKEE Routers. Will mortise any 6'6", 6'8" or 7" door and any hinge size 2-1/2" to 5-1/2". Detailed instructions included. Additional template nails (12 per package) are available (No. 49-54-0600).





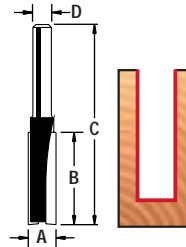
- Carbide And Carbide Tipped For Long Life
- Precision Ground For Fast Accurate Cuts
- Choice Of 1/4" And 1/2" Shanks
- Superior Precision, Fastest Feed And Long Life
- Cuts All Composition Material, Plywood, Hardwood And Soft Wood

HEAVY-DUTY ROUTER BITS

STRAIGHT BITS-TWO FLUTE

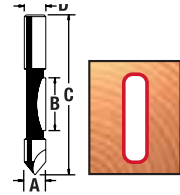


Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D
48-23-7040	1/16"	1/4"	1-5/8"	1/4"
48-23-7045	1/8"	3/8"	1-3/4"	1/4"
48-23-7050	3/16"	1/2"	2"	1/4"
48-23-7055	1/4"	3/4"	2-1/4"	1/4"
48-23-7056	1/4"	1"	2-1/2"	1/4"
48-23-7057	1/4"	1"	2-7/8"	1/4"
48-23-7065	5/16"	1"	2-1/2"	1/4"
48-23-7070	3/8"	1"	2-1/2"	1/4"
48-23-7075	3/8"	1-1/4"	2-11/16"	1/4"
48-23-7080	1/2"	1"	2-1/8"	1/4"
48-23-7085	9/16"	3/4"	2-1/8"	1/4"
48-23-7100	3/4"	3/4"	2-1/8"	1/4"
48-23-7105	1/4"	3/4"	2-3/8"	1/2"
48-23-7110	1/4"	7/8"	2-7/8"	1/2"
48-23-7115	5/16"	1"	2-3/4"	1/2"
48-23-7135	3/8"	1"	2-5/8"	1/2"
48-23-7137	3/8"	1-1/4"	2-7/8"	1/2"
48-23-7140	1/2"	1"	2-5/8"	1/2"
48-23-7141	1/2"	1-1/4"	2-7/8"	1/2"
48-23-7142	1/2"	1-1/2"	3-1/8"	1/2"
48-23-7143	1/2"	2"	4-1/8"	1/2"
48-23-7144	1/2"	2-1/2"	4-3/8"	1/2"
48-23-7145	3/4"	1"	2-1/2"	1/2"
48-23-7150	3/4"	1-1/4"	3"	1/2"
48-23-7160	1"	1-1/4"	3"	1/2"



Straight Bits-Two Flute

- Hook angle design for precise, clean cuts. Relief designed for fast plunging.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.



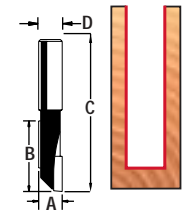
Pilot Panel Bits

- Self-starting drill-through point with pilot acts as a guide for template work.
- Use on portable routers for template work.

PILOT PANEL BITS (ONE AND TWO FLUTE) WITH DRILL POINTS

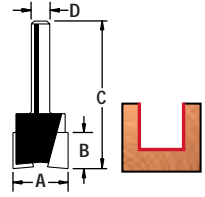


Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	No. of Flutes
48-23-6001	1/4"	3/4"	2-1/4"	1/4"	1"
48-23-6021	3/8"	1"	3"	1/4"	2"
48-23-6041	1/2"	1-1/4"	3-3/4"	1/2"	2"



Stagger Bits-One Flute

- Combines balance of double fluted bit with speed and versatility of single flute bit.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.



Mortising Bits

- Deep center gullet provides maximum material removal.
- Use with templates for setting butt hinges.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.

STAGGER BITS-ONE FLUTE (SOLID CARBIDE)

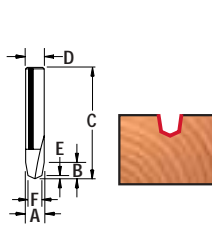


Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D
48-23-8075	1/2"	2-1/8"	4"	1/2"

MORTISING BITS

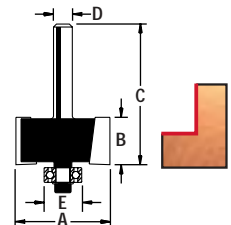


Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D
48-23-6101	1/2"	1/2"	2"	1/4"
48-23-6105	5/8"	1/2"	2"	1/4"
48-23-6110	3/4"	1/2"	2"	1/4"
48-23-6115	1-1/4"	1/2"	2-1/8"	1/4"
48-23-6120	1-1/4"	1/2"	2-3/8"	1/2"



"V" Veining Bits

- Solid micrograin carbide extends cutting life.
- Creates double "V" groove to accent furniture, cabinet doors, and millwork.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.



Rabbeting Bits

- Creates smooth, precise cuts on both surfaces of rabbet.
- Bits cut 3/8" rabbet.
- Use on hand-held and table-mounted routers.

"V" VEINING BITS (SOLID CARBIDE)



Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Small Dia. F
48-23-7295	1/4"	7/32"	1-1/2"	1/4"	3/64"	3/16"

RABBETING BITS



Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E
48-23-6401	1-1/4"	1/2"	2"	1/4"	1/2"
48-23-6441	1-1/4"	1/2"	2-1/4"	1/2"	1/2"

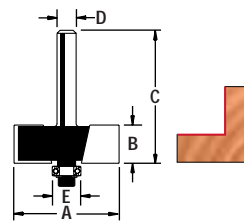
Replacement Bearing 49-54-0120

MULTI-RABBETING BITS



Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Rabbeting Depths E
48-23-6125	1-3/8"	1/2"	2-1/4"	1/4"	Flush, 1/8", 1/4", 5/16", 3/8", 7/16", 1/2"
48-23-6130	1-3/8"	1/2"	2-1/4"	1/2"	Flush, 1/8", 1/4", 5/16", 3/8", 7/16", 1/2"

Replacement Bearing Set Kit 49-54-0130



Multi-Rabbeting Bits

- Bearings included to cut rabbets of varying depths.
- Creates smooth, precise cuts on both surfaces of rabbet.
- Can be used as flush trimming bit.
- Wrench included for bearing changes.
- Use on hand-held and table-mounted routers.

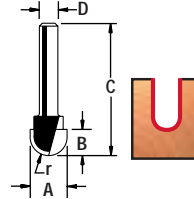


- Carbide And Carbide Tipped For Long Life
- Precision Ground For Fast Accurate Cuts
- Choice Of 1/4" And 1/2" Shanks
- Superior Precision, Fastest Feed And Long Life
- Cuts All Composition Material, Plywood, Hardwood And Soft Wood

HEAVY-DUTY ROUTER BITS

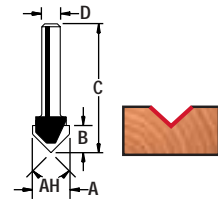
ROUND NOSE BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Radius r
48-23-7600	1/4"	3/8"	2"	1/4"	1/8"
48-23-7605	3/8"	3/8"	1-13/16"	1/4"	3/16"
48-23-7610	1/2"	3/8"	1-13/16"	1/4"	1/4"
48-23-7630	3/4"	7/16"	2"	1/4"	3/8"
48-23-7640	1/2"	1-1/8"	2-13/16"	1/2"	1/4"
48-23-7650	1"	1-1/4"	2-13/16"	1/2"	1/2"



Round Nose Bits

- Provides a precise, clean radius groove.
- Creates several styles of fluted millwork.
- Makes signs or cutting decorative designs in cabinet doors.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.



V-Grooving Bits

- Cut deep or shallow "V" grooves.
- Makes signs and adding decorative accents to furniture and plaques.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.

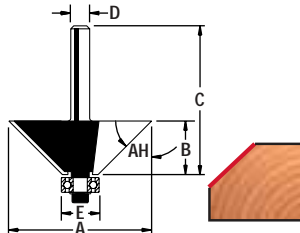
V-GROOVING BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Angle AH
48-23-7310	3/8"	5/16"	1-3/4"	1/4"	90°
48-23-7315	1/2"	7/16"	1-3/4"	1/4"	90°
48-23-7320	3/4"	1/2"	2-1/4"	1/2"	90°

CHAMFER BITS

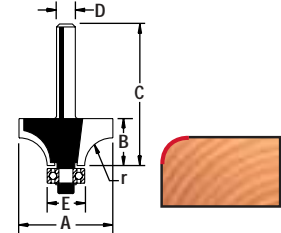
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Angle AH
48-23-7200	1-1/2"	1/2"	2-3/16"	1/4"	1/2"	45°
48-23-7240	1-3/4"	5/8"	2-9/16"	1/2"	1/2"	45°

Replacement Bearing 49-54-0120



Chamfer Bits

- Creates a uniform chamfer on the edge of any workpiece.
- Adjusts chamfer size by changing the height of the bit.
- Use on hand-held and table-mounted routers.



Rounding Over Bits

- Softens furniture edges with smooth round corner.
- Shear angle provides a clean, smooth cut.
- Use on hand-held and table-mounted routers.

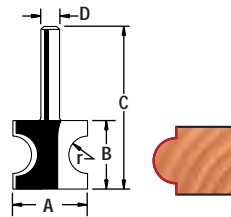
ROUNDING OVER BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Radius r
48-23-7400	5/8"	1/2"	2-3/16"	1/4"	1/2"	1/16"
48-23-7405	3/4"	1/2"	2-3/16"	1/4"	1/2"	1/8"
48-23-7408	7/8"	1/2"	2-3/16"	1/4"	1/2"	3/16"
48-23-7410	1"	1/2"	2-3/16"	1/4"	1/2"	1/4"
48-23-7420	1-1/8"	1/2"	2-3/16"	1/4"	1/2"	5/16"
48-23-7430	1-1/4"	5/8"	2-3/16"	1/4"	1/2"	3/8"
48-23-7435	1-1/2"	3/4"	2-1/2"	1/4"	1/2"	1/2"
48-23-7440	1"	1/2"	2-1/2"	1/2"	1/2"	1/4"
48-23-7445	1-1/4"	5/8"	2-5/8"	1/2"	1/2"	3/8"
48-23-7450	1-1/2"	3/4"	2-3/4"	1/2"	1/2"	1/2"
48-23-7455	1-3/4"	7/8"	2-7/8"	1/2"	1/2"	5/8"
48-23-7460	2"	1"	2-7/8"	1/2"	1/2"	3/4"

Replacement Bearing 49-54-0120

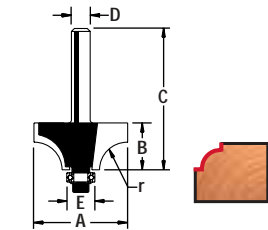
HALF ROUND BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Radius r
48-23-7185	1"	29/32"	2-9/16"	1/2"	1/4"
48-23-7190	1-29/64"	1-11/64"	2-13/16"	1/2"	3/8"



Half Round Bits

- Creates fully rounded edge on dimensional lumber.
- Creates half-round profile on furniture and mouldings.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.



Beading Bits

- Adds bead profile to furniture and millwork.
- Use on hand-held and table-mounted routers.

BEADING BITS

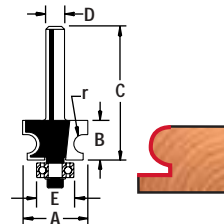
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Radius r
48-23-7510	7/8"	1/2"	2-3/16"	1/4"	3/8"	3/16"
48-23-7520	1"	1/2"	2-3/16"	1/4"	3/8"	1/4"
48-23-7525	1-1/8"	1/2"	2-3/16"	1/4"	3/8"	5/16"
48-23-7530	1-1/4"	5/8"	2-3/16"	1/4"	3/8"	3/8"
48-23-7535	1-1/2"	3/4"	2-1/2"	1/4"	3/8"	1/2"

Replacement Bearing 49-54-0110

TRADITIONAL BEADING BITS

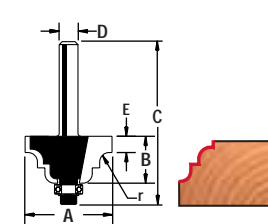
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Radius r
48-23-7540	1"	11/16"	2-5/16"	1/4"	1/2"	3/16"

Replacement Bearing 49-54-0120



Traditional Beading Bits

- Forms a single bead with a square shoulder.
- Matches mouldings in historic homes.
- Use on hand-held and table-mounted routers.



Cove and Bead Bits

- Creates sophisticated cove and bead design.
- Forms decorative mouldings.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.

COVE AND BEAD BITS

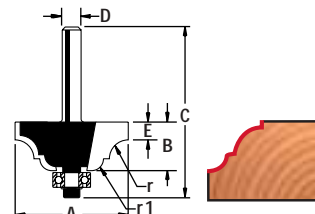
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Radius r
48-23-7730	1-5/32"	5/8"	2-3/16"	1/4"	7/32"	1/8"

Replacement Bearing 49-54-0110

CLASSICAL COVE AND BEAD BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Large Radius r1	Small Radius r2
48-23-7735	1-1/2"	5/8"	2-1/4"	1/4"	7/32"	1/4"	5/32"

Replacement Bearing 49-54-0120



Classical Cove and Bead Bits

- Forms decorative edge on tabletops, plaques, and cabinetry.
- Use on hand-held and table-mounted routers.



- Carbide And Carbide Tipped For Long Life
- Precision Ground For Fast Accurate Cuts
- Choice Of 1/4" And 1/2" Shanks
- Superior Precision, Fastest Feed And Long Life
- Cuts All Composition Material, Plywood, Hardwood And Soft Wood

HEAVY-DUTY ROUTER BITS

COVE BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Radius r
48-23-7700	7/8"	1/2"	2-3/16"	1/4"	3/8"†	1/4"
48-23-7710	1-1/4"	1/2"	2-3/16"	1/4"	1/2"††	3/8"
48-23-7720	1-3/8"	5/8"	2-3/16"	1/4"	3/8"†	1/2"
48-23-7725	1-3/8"	5/8"	2-1/2"	1/2"	3/8"†	1/2"

Replacement Bearing †49-54-0110 and ††49-54-0120

ROMAN OGEE BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Radius r
48-23-7800	1-1/16"	1/2"	2-3/16"	1/4"	3/8"	5/32"
48-23-7810	1-3/8"	23/32"	2-3/8"	1/4"	3/8"	1/4"
48-23-7815	1-3/8"	23/32"	2-9/16"	1/2"	3/8"	1/4"

Replacement Bearing 49-54-0110

OGEE FILLET BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Radius r
48-23-6135	1-1/2"	5/8"	2-3/16"	1/4"	3/8"	1/4"

Replacement Bearing 49-54-0110

DOUBLE FILLET OGEE BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Radius r
48-23-6140	1-3/8"	9/16"	2-5/16"	1/2"	13/64"	11/64"

Replacement Bearing 49-54-0110

THREE WING SLOTTING CUTTERS

Catalog Number	Overall Dia. A	Carbide Height B	Bore Dia. C
48-23-8101	2"	1/16"	5/16"
48-23-8121	2"	3/32"	5/16"
48-23-8131	2"	1/8"	5/16"
48-23-8135	2"	5/32"	5/16"
48-23-8140	2"	3/16"	5/16"
48-23-8145	2"	1/4"	5/16"

SLOTTING CUTTER ARBOR

Catalog Number	Arbor Dia. A	Arbor Height B	Overall Length C	Shank Dia. D	Stud Height E
48-23-8045	5/16"	25/64"	2-3/8"	1/4"	1"
48-23-8051	5/16"	25/64"	2-3/8"	1/2"	1"

FLUSH TRIM BIT (SOLID CARBIDE)

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D
48-23-7235	1/4"	3/8"	1-1/2"	1/4"

FLUSH TRIM BITS (TWO AND THREE FLUTE)

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	No. of Flutes
48-23-6510	3/8"	1"	2-13/16"	1/4"	3/8"†	2"
48-23-6515	3/8"	1/2"	2-5/16"	1/4"	3/8"††	2"
48-23-6521	1/2"	1"	2-13/16"	1/4"	1/2"††	2"
48-23-6541	1/2"	1"	3-1/4"	1/2"	1/2"††	2"
48-23-6545	1/2"	1-1/2"	3-5/8"	1/2"	1/2"††	2"
48-23-6550	1/2"	1"	2-13/16"	1/4"	1/2"††	3"
48-23-6555	1/2"	1"	3-1/4"	1/2"	1/2"††	3"

Replacement Bearing †49-54-0110 and ††49-54-0120

TOP BEARING FLUSH TRIM BITS

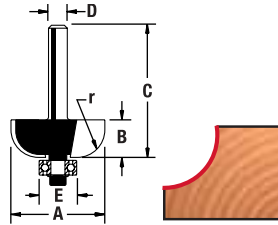
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E
48-23-6560	1/2"	1"	2-5/8"	1/4"	1/2"

Replacement Bearing 49-54-0115

BEVEL TRIM BITS

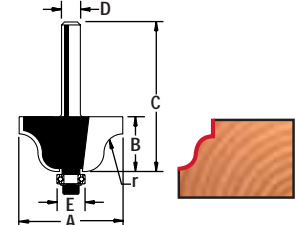
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Angle AH
48-23-7195	1/4"	1/4"	1-1/2"	1/4"	3/16"	7° Solid Carbide
48-23-7545	19/32"	9/32"	1-7/8"	1/4"	1/2"	15°

Replacement Bearing 49-54-0120



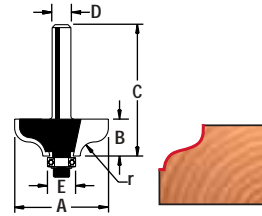
Cove Bits

- Creates a smooth, classic cove profile.
- Upward shear angle offers efficient, smooth cut.
- Use on hand-held and table-mounted routers.



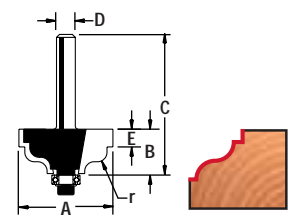
Roman Ogee Bits

- Profile adds look of elegance to any project.
- Change the profile by adjusting height of the bit.
- Use on hand-held and table-mounted routers.



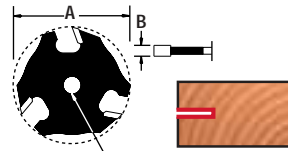
Ogee Fillet Bits

- Profile includes small fillet at bottom of ogee pattern.
- Use on hand-held and table-mounted routers.



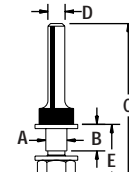
Double Fillet Ogee Bits

- Creates attractive edge profile to accent furniture, cabinets and millwork.
- Use on hand-held and table-mounted routers.



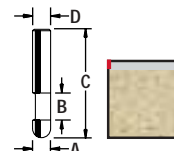
Three Wing Slotting Cutters

- Creates precision slot for T-mouldings and spline joints.
- For use with Milwaukee Slotting Cutter Arbor 48-23-8045 for 1/4" shanks and 48-23-8051 for 1/2" shanks.
- Use Milwaukee Slotting Cutter 48-23-8135 for biscuit joining.
- Use on hand-held and table-mounted routers.



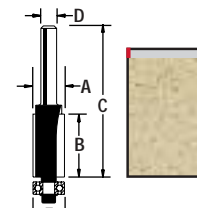
Slotting Cutter Arbor

- Creates smooth, precise, accurate slots.
- For superior performance, use with Milwaukee slotting cutters.
- Compatible with any slotting cutter with a 5/16" arbor diameter.
- Use on hand-held and table-mounted routers.



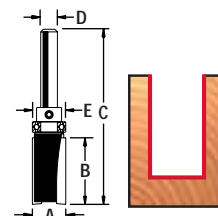
Flush Trim Bit (Solid Carbide)

- Made from solid micrograin carbide for extended cutting life.
- Cuts all plastic laminates quickly and cleanly.
- Self-piloting feature eliminates need for bearing.
- Use on portable routers and laminate trimmers.



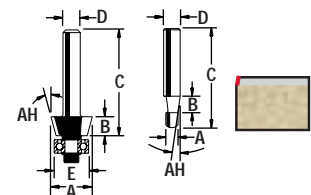
Flush Trim Bits (Two and Three Flute)

- Trims cabinet laminate as well as pattern work.
- Two flute design for faster cutting and three flute design for superior surface finish.
- Use on hand-held and table-mounted routers.



Top Bearing Flush Trim Bits

- Top-mounted bearings.
- Ideal for lettering or other template work.
- Use on hand-held and table-mounted routers.



Bevel Trim Bits

- 48-23-7195 is made from solid micrograin carbide for extended cutting life.
- Bits trim and produce bevel angles to give finished look to all plastic laminates.
- Use on portable routers and laminate trimmers.



- Carbide And Carbide Tipped For Long Life
- Precision Ground For Fast Accurate Cuts
- Choice Of 1/4" And 1/2" Shanks
- Superior Precision, Fastest Feed And Long Life
- Cuts All Composition Material, Plywood, Hardwood And Soft Wood

HEAVY-DUTY ROUTER BITS

FLUSH AND BEVEL TRIM BITS (SOLID CARBIDE)

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Angle AH
48-23-7245	1/4"	3/8"	1-1/2"	1/4"	11/64"	7°

DOVETAIL BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Angle AH
48-23-7740	3/8"	3/8"	1-7/8"	1/4"	9°
48-23-7745	1/2"	1/2"	1-7/8"	1/4"	14°
48-23-7750	1/2"	1/2"	2-1/4"	1/2"	14°
48-23-7755	1/2"	13/16"	2-3/4"	1/4"	8°

KEY HOLE BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Small Dia. F
48-23-7237	25/64"	7/16"	1-5/8"	1/4"	1/4"	3/16"

UP SPIRAL BITS-TWO FLUTE

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D
48-23-8060	1/8"	1/2"	2"	1/4"
48-23-8065	1/4"	1"	2-1/2"	1/4"
48-23-8070	1/2"	1-1/4"	3"	1/2"

DOWN SPIRAL BITS-TWO FLUTE

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D
48-23-8055	1/4"	1"	2-1/2"	1/4"

TABLE EDGE AND HANDRAIL BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Large Radius r	Small Radius r1	Angle AH
48-23-7165	2-19/32"	23/32"	2-5/8"	1/2"	9/32"	1-25/32"	13/64"	10°

Replacement Bearing 49-54-0125

LOCK MITER BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D
48-23-7239	2-3/4"	1-5/32"	2-5/8"	1/2"

FINGER PULL DOOR LIP BITS

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Small Dia. E	Radius r	Angle AH
48-23-7760	2"	1-1/4"	2-3/4"	1/2"	3/4"	1/4"	25°

MATCHED RAIL AND STILE BIT SETS

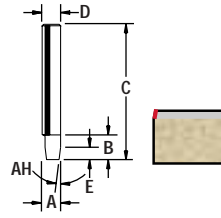
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Small Dia. F	Radius r
48-23-8080	1-11/16"	11/16"	3"	1/2"	15/64"	1-5/16"	7/32"
48-23-8085	1-11/16"	23/32"	3"	1/2"	15/64"	1-19/32"	13/64"

Replacement Bearing 49-54-0125

RAISED PANEL BITS

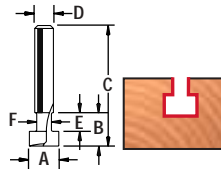
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Small Dia. F	Large Radius r	Small Radius r1
48-23-6445	2-3/4"	5/8"	2-1/2"	1/2"	7/32"	N/A	35/64"	1/8"
48-23-6450	3-1/2"	1/2"	2-1/2"	1/2"	5/32"	1-1/4"	N/A	N/A
48-23-6455	3-1/2"	5/8"	2-1/2"	1/2"	5/64"	N/A	1-1/2"	N/A
48-23-6460	3-1/2"	5/8"	2-1/2"	1/2"	7/32"	N/A	25/32"	5/32"

Replacement Bearing 49-54-0120



Flush and Bevel Trim Bits (Solid Carbide)

- Designed to trim all plastic laminates with straight edge or bevel with guide system.
- Use on portable routers and laminate trimmers.

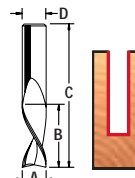


Dovetail Bits

- Creates smooth, intricate dovetail joints.
- Compatible with many popular dovetailing jigs.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.

Key Hole Bits

- Creates key holes for hanging plaques and shelves.
- Features chip breakers to reduce burning.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.



Up Spiral Bits-Two Flute

- Effective chip removal with a cut unmatched by standard straight bits.
- Flutes provide chip removal required in production settings.
- Ideal for grooves, dadoes, mortises and routing deep blind holes.
- Ideal for use on CNC, other automatic routers, hand-held and table-mounted routers.

Down Spiral Bits-Two Flute

- Top surface chip-free routing where chip removal is not a problem.
- Through cutting of material with table-mounted router or a pin router.
- Use on CNC, other automatic routers, pin routers, hand-held and table-mounted routers.

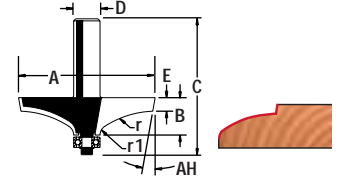
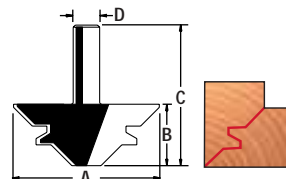


Table Edge and Handrail Bit

- Creates sturdy, attractive handrails for staircases.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.

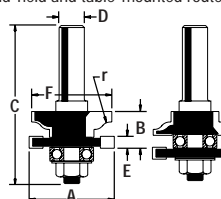


Lock Miter Bits

- Creates locking miter joints.
- Run one board vertically and run the piece to be joined horizontally.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.

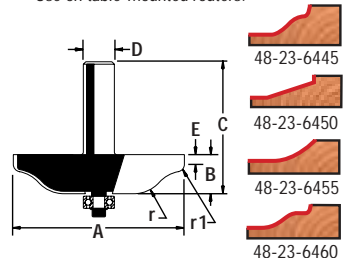
Finger Pull Door Lip Bits

- Creates finger pull grooves.
- Use on table-mounted routers.



Matched Rail and Stile Bit Sets

- Create raised panel doors when combined with a Milwaukee Raised Panel Bit.
- Shims included to ensure a perfect fit.
- Use on table-mounted routers.



Raised Panel Bits

- Creates splinter-free, smooth finish.
- For raised panels on doors and paneling.
- Use 1/2" height for 5/8" stock. Use 5/8" height for 3/4" stock.
- For decorative tops, plaques, and moulding.
- Use on table-mounted routers.



HEAVY-DUTY ELECTROMAGNETIC DRILL PRESSES

4204-1

- INCLUDES 4253-1
MOTOR AND
4203 BASE



4206-1

- INCLUDES 4262-1
MOTOR AND
4203 BASE



MOTOR AND STAND COMBINATIONS 120 VOLT AC ONLY

- Base Control Panel Includes Variable Speed Adjusting For Motor
- Solid State Electronic Switching
- Feedback Speed Control
- Computer Controlled Reverse
- Full Wave Magnetic Holding Power
- Forward/Reverse Control
- 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
- Automatic Electronic Soft Start
- For Use On Any Flat Ferrous Material 1/2" And Thicker

ACCESSORIES

STEEL HAWG® METAL CUTTERS

See page 129.



ARBORS

See page 130.



SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	CAPACITY		*DRILL POINT PRESSURE LBS.	REPLACEMENT CHUCK CATALOG NUMBER	REPLACEMENT CHUCK KEY CATALOG NUMBER	WEIGHT LBS.
			DRILL	TAP				
4204-1	120	7.2	1/2"	5/8"-18	1650	48-66-1360	48-66-3280	57
4206-1	120	12.5	3/4"	1"-14	1670	48-66-2085	48-66-3160	70

* Drill point pressure on a 1" thick steel plate with the chuck mounted closest to the base. Values for numbers 4204-1 and 4206-1 are with the base adjusted to the rearward position.



HEAVY-DUTY ELECTROMAGNETIC DRILL PRESSES

4208-1

- INCLUDES 4297-1 MOTOR AND 4203 BASE



MOTOR AND STAND COMBINATIONS 120 VOLT AC ONLY

- Base Control Panel Includes Variable Speed Adjusting For Motor
- Solid State Electronic Switching
- Feedback Speed Control
- Computer Controlled Reverse
- Full Wave Magnetic Holding Power
- Forward/Reverse Control
- 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
- Automatic Electronic Soft Start
- For Use On Any Flat Ferrous Material 1/2" And Thicker

4209-1

- INCLUDES 4292-1 MOTOR AND 4203 BASE



4210-1

- INCLUDES 4262-1 MOTOR AND 4202 BASE



SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	CAPACITY		*DRILL POINT PRESSURE LBS.	REPLACEMENT CHUCK CATALOG NUMBER	REPLACEMENT CHUCK KEY CATALOG NUMBER	WEIGHT LBS.
			DRILL	TAP				
4208-1	120	12.5	1-1/4"	1"-14	1600	-	#3 Taper Socket	72
4209-1	120	12.5	1-1/4"	1"-14	1600	-	#3 Taper Socket	72
4210-1	120	12.5	3/4"	1"-14	1630	48-66-2085	48-66-3160	62

ACCESSORIES

STEEL HAWG® METAL CUTTERS

See page 129.



ARBORS

See page 130.



* Drill point pressure on a 1" thick steel plate with the chuck mounted closest to the base. Values for 4208-1 are with the base adjusted to the rearward position.



HEAVY-DUTY ELECTROMAGNETIC DRILL MOTORS AND BASES

4202 BASE ONLY

- FIXED POSITION,
- 9" DRILL TRAVEL



4203 BASE ONLY

- ADJUSTABLE POSITION,
- 11" DRILL TRAVEL



- Base Control Panel Includes Variable Speed Adjusting For Motor
- Solid State Electronic Switching
- Feedback Speed Control
- Computer Controlled Reverse
- Full Wave Magnetic Holding Power
- Forward/Reverse Control
- 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
- Automatic Electronic Soft Start
- For Use On Any Flat Ferrous Material 1/2" And Thicker

Select one of these 4 MILWAUKEE motors for your No. 4202 or No. 4203 Electromagnetic Drill Stand. These motors include reverse for compatibility with the Electromagnetic Drill Stand control panel.



4253-1

- 600 NO LOAD RPM



4262-1

- 350 NO LOAD RPM



4292-1

- TWO SPEED
- 750/375 NO LOAD RPM



4297-1

- TWO SPEED
- 500/250 NO LOAD RPM



SPECIFICATIONS

CHUCK CENTER DISTANCE FROM BASE

MOTOR NO. 4253-1

	IN	OUT
Magnetic Stand 4202	1-1/4"	*
Plate Forward 4203	1-23/32"	*
Plate Back 4203	31/32"	*

MOTOR NO. 4262-1

	IN	OUT
Magnetic Stand 4202	1-23/32"	4-11/16"
Plate Forward 4203	2-1/8"	5-3/32"
Plate Back 4203	1-3/8"	4-11/32"

MOTOR NO. 4292-1

	IN	OUT
Magnetic Stand 4202	2-3/16"	4-3/8"
Plate Forward 4203	2-9/16"	4-11/16"
Plate Back 4203	1-13/16"	3-15/16"

MOTOR NO. 4297-1

	IN	OUT
Magnetic Stand 4202	2-3/16"	4-3/8"
Plate Forward 4203	2-9/16"	4-11/16"
Plate Back 4203	1-13/16"	3-15/16"

IN = Closest to base OUT = Farthest away from base

* Motor 4253-1 has only one chuck position.

Stand 4203 is adjustable 3/4" in direction of base length and 20° right or left.

All models furnished with 6 ft. safety chain.

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	NO LOAD RPM	CAPACITY		* DRILL POINT PRESSURE LBS.	CHUCK OR TAPER	REPLACEMENT CHUCK CATALOG NUMBER	REPLACEMENT CHUCK KEY CATALOG NUMBER	WEIGHT LBS.
				DRILL	▲ TAP					
4253-1	120	6.2	600	1/2"	5/8"-18 †	1610/1650	Chuck	48-66-1360	48-66-3280	8.0
4262-1	120	11.5	350	3/4"	1"-14	1630/1670	Chuck	48-66-2085	48-66-3160	21.0
4292-1	120	11.5	750/375	1-1/4"	1"-14	1530/1600	No. 3MT	45-34-0110	#3 Taper Socket	23.0
4297-1	120	11.5	500/250	1-1/4"	1"-14	1530/1600	No. 3MT	45-34-0110	#3 Taper Socket	23.0

● 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 shown in the MILWAUKEE catalog.

* Drill point pressure on a 1" thick steel plate with the chuck mounted closest to the base. Values listed are for the drill motor mounted on a No. 4202 base/No. 4203 base that is adjusted to the rearward position.

DRILL STAND SPECS

CAT. NO.	HEIGHT	WIDTH	LENGTH	WGT. LBS.
4202	15"	4-1/4"	11"	41.0
4203	17-1/4"	4-1/4"	11"	49.0



HEAVY-DUTY COMPACT ELECTROMAGNETIC DRILL PRESSES

4270-20
• 450 RPM



4270-21
• 450 RPM



- **Lightweight** – Only 26.5 lbs.
- **Powerful 1.1 Max HP - 9.0 Amp Milwaukee Motor** – Enables drilling with up to 1-1/2" diameter annular cutter and 2" depth of cut (D.O.C.).
- **High Strength Magnet** – Ensures stability and superior holding force during drilling.
- **Accepts 3/4" Diameter Shank Annular Cutters**
- **World Class Cutting Capacity**
 - 1-1/2" Dia. Annular cutter capacity with a 2" D.O.C.
 - 1/2" Dia. Twist bit capacity with a 4-1/4" D.O.C.
- **Simple Two-Button Control Panel** Located in back for easy accessibility.
- **Tool-Free, 2-Position Feed Handle** Easily mounts to either side to allow for optimum drilling positions.
- **Ergonomically Designed Carrying Handle** Distributes weight evenly when carrying.
- **For Use On Any Flat Ferrous Material 3/8" And Thicker**



ACCESSORIES

IMPACT RESISTANT CARRYING CASE

48-55-4270 For the 4270-20. Carrying case has compartments to store annular cutters, spray bottle and hawgwash, nylon safety strap and the optional 1/2" drill chuck assembly.



1/2" DRILL CHUCK ARBOR ASSEMBLY

48-66-2125 Easily converts 4270 mag press arbor to accept up to 1/2" diameter 6" long twist drill bits.



HSS ANNULAR CUTTERS

1/2" to 2" diameter hole sizes available in 1" and 2" depths.

- 3/4" diameter shank annular cutter
- Unique tooth design-every other tooth is double beveled

See page 129.



SPECIFICATIONS

CATALOG NUMBER	VOLTS AC ONLY	AMPS	SPEED RPM	OVERALL LENGTH	HEIGHT	NET WEIGHT Lbs.	SHIP WEIGHT Lbs.
4270-20	120	9.0	450	9-3/8"	15-1/3"	26.5	35
4270-21	120	9.0	450	9-3/8"	15-1/3"	26.5	46

STANDARD EQUIPMENT: For 4270-20 – Tool, Lubricant Spray Bottle, Nylon Safety Strap and Two Hex Wrenches. For 4270-21 – Tool, Lubricant Spray Bottle, Nylon Safety Strap, Two Hex Wrenches and Impact Resistant Carrying Case.



HEAVY-DUTY STEEL HAWG® CUTTERS AND HSS ANNULAR CUTTERS

THREADED STEEL HAWG CARBIDE TIPPED CUTTERS - 2" CUTTING DEPTH



CATALOG NUMBER	DIA.
49-57-0750	3/4"
49-57-0812	13/16"
49-57-0875	7/8"
49-57-0937	15/16"
49-57-1000	1"
49-57-1062	1-1/16"
49-57-1125	1-1/8"

Sizes 3/4" thru 6". Recommended for use with MILWAUKEE Electromagnetic Drill Presses. Metric thread size M18 x 1.5, 4 Lead. Follow RPM recommendation available with cutters.

CATALOG NUMBER	DIA.	CATALOG NUMBER	DIA.	CATALOG NUMBER	DIA.
49-57-1187	1-3/16"	49-57-2060	2-1/16"	49-57-3500	3-1/2"
49-57-1250	1-1/4"	49-57-2120	2-1/8"	49-57-3620	3-5/8"
49-57-1312	1-5/16"	49-57-2250	2-1/4"	49-57-3750	3-3/4"
49-57-1375	1-3/8"	49-57-2310	2-5/16"	49-57-3870	3-7/8"
49-57-1437	1-7/16"	49-57-2370	2-3/8"	49-57-4000	4"
49-57-1500	1-1/2"	49-57-2500	2-1/2"	49-57-4120	4-1/8"
49-57-1562	1-9/16"	49-57-2560	2-9/16"	49-57-4250	4-1/4"
49-57-1625	1-5/8"	49-57-2620	2-5/8"	49-57-4370	4-3/8"
49-57-1687	1-11/16"	49-57-2750	2-3/4"	49-57-4500	4-1/2"
49-57-1750	1-3/4"	49-57-2870	2-7/8"	49-57-4620	4-5/8"
49-57-1812	1-13/16"	49-57-3000	3"	49-57-4750	4-3/4"
49-57-1875	1-7/8"	49-57-3120	3-1/8"	49-57-5000	5"
49-57-1937	1-15/16"	49-57-3250	3-1/4"	49-57-5500	5-1/2"
49-57-2000	2"	49-57-3370	3-3/8"	49-57-6000	6"

FOR USE WITH MILWAUKEE ELECTROMAGNETIC DRILL PRESSES AND DRILL STANDS

- **Two Styles: Threaded Or Quik-Lok With Appropriate Arbor Assemblies**
- **Carbide-Tipped Multiple Cutting Edges**
MILWAUKEE steel hawk cutters are high efficient carbide-tipped cutting tools. Alternating inside and outside cutting edges are carefully honed to cut holes rapidly with great precision.
- **Hardened Carbide Tips**
Last longer than regular twist drills. The steel hawk cutters multiple cutting edges uniformly distribute cutting over a wider area than a two flute twist drill tip.
- **Large Hole Cutters, Maximum 2" Depth, Up To 6" Diameter For Steel Plate, Stainless Steel, Cast Iron Or Aluminum**
- **3Times Faster Than Twist Drills In Steel, Stainless Or Non-Ferrous Metals**

HIGH SPEED STEEL (HSS) ANNULAR CUTTERS

1" CUTTING DEPTH



EJECTOR PIN SOLD SEPARATELY

25 sizes available. From 1/2" to 2" diameter hole sizes, 1" depth.

CATALOG NUMBER	DIA.	CATALOG NUMBER	DIA.	CATALOG NUMBER	DIA.
49-59-0500	1/2"	49-59-1062	1-1/16"	49-59-1625	1-5/8"
49-59-0562	9/16"	49-59-1125	1-1/8"	49-59-1687	1-11/16"
49-59-0625	5/8"	49-59-1187	1-3/16"	49-59-1750	1-3/4"
49-59-0687	11/16"	49-59-1250	1-1/4"	49-59-1812	1-13/16"
49-59-0750	3/4"	49-59-1312	1-5/16"	49-59-1875	1-7/8"
49-59-0812	13/16"	49-59-1375	1-3/8"	49-59-1937	1-15/16"
49-59-0875	7/8"	49-59-1437	1-7/16"	49-59-2000	2"
49-59-0937	15/16"	49-59-1500	1-1/2"	44-60-1720	Ejector Pins*
49-59-1000	1"	49-59-1562	1-9/16"		

1" AND 2" DEPTH ANNULAR CUTTERS FEATURING 3/4" SHANK

- **3/4" Diameter Shank** – Industry standard
- **Unique Tooth Geometry** – Allows for better centering and faster cutting.
- **Thin Wall Design** – Enables cutters to cut faster and more efficiently by removing less material during drilling.
- **Ejector Pins Can Be Used On All Diameters.** (44-60-1720 for 1" depth and 44-60-1721 For 2" depth.) Ejector pin sold separately.
- **Ejector Pin Extends 1/2" Beyond Tooth Tip** – Allows for easier / faster location of pin on hole.
- **Flute Design** – Shorter flute design allows chips to fall freely from cutter.
- **Fit Directly Into Milwaukee's 4270-20 Compact Magnetic Drill Stand**
- **Use Arbor 49-57-0025, To Fit Cutters Into Milwaukee's Large Stands 4208-2 and 4209-1.**

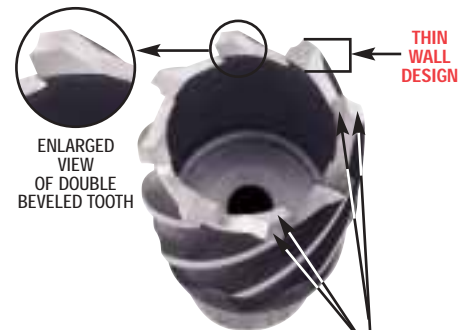
2" CUTTING DEPTH



EJECTOR PIN SOLD SEPARATELY

25 sizes available. From 1/2" to 2" diameter hole sizes, 2" depth.

CATALOG NUMBER	DIA.	CATALOG NUMBER	DIA.	CATALOG NUMBER	DIA.
49-59-2050	1/2"	49-59-2106	1 1/16"	49-59-2163	1 5/8"
49-59-2056	9/16"	49-59-2113	1 1/8"	49-59-2169	1 11/16"
49-59-2063	5/8"	49-59-2119	1 3/16"	49-59-2175	1 3/4"
49-59-2069	11/16"	49-59-2125	1 1/4"	49-59-2181	1 13/16"
49-59-2075	3/4"	49-59-2131	1 5/16"	49-59-2188	1 7/8"
49-59-2081	13/16"	49-59-2138	1 3/8"	49-59-2194	1 15/16"
49-59-2089	7/8"	49-59-2144	1 7/16"	49-59-2200	2"
49-59-2094	15/16"	49-59-2150	1 1/2"	44-60-1721	Ejector Pins*
49-59-2100	1"	49-59-2156	1 9/16"		



UNIQUE TOOTH GEOMETRY (Every other tooth is double beveled)

* 2 Per Pack



HEAVY-DUTY STEEL HAWG® CUTTERS AND ARBORS

FOR USE WITH MILWAUKEE ELECTROMAGNETIC DRILL PRESSES AND STATIONARY DRILL PRESSES

QUICK CHANGE ARBOR ASSEMBLIES FOR TANG DRIVE STEEL HAWG CUTTERS

Allows the use of tang drive steel hawg cutters with the large magnetic drill motors.

NO. 3 MORSE TAPER QUICK CHANGE ARBOR ASSEMBLY

49-57-0012

For use on motors 4292-1 and 4297-1. Oil hose and hand pump included.



NO. 3 MORSE TAPER QUICK CHANGE WITH CHIP BREAKER

49-57-0013

Automatic chip breaker feature clears drilling work area of long, spiraling chips. For use on motors 4292-1 and 4297-1. Oil hose and hand pump included.



3/4" STRAIGHT SHANK QUICK CHANGE ARBOR ASSEMBLY

49-57-0032

For use on motor 4262-1. Oil hose and hand pump included.



ARBOR ASSEMBLIES FOR THREADED SHANK STEEL HAWG CUTTERS

(Metric thread size M 18 x 1.5, 4 Lead)

3/4" SHANK ARBOR ASSEMBLY

49-57-0030

For use on Motor 4262-1. Oil hose and hand pump included.



NO. 3 MORSE TAPER ARBOR ASSEMBLY

49-57-0010

For use on Motor 4292-1 and 4297-1. Oil hose and hand pump included.



#3 MORSE TAPER ASSEMBLY

49-57-0025

For use on Motor 4292-1, 4297-1. #3 Morse Taper Assembly will allow 3/4" Weldon® Style Shank cutters to be used with Milwaukee's large magnetic drill stands. Oil hose and hand pump **NOT** included.



OIL HOSE AND HAND PUMP SOLD SEPARATELY

HAWG WASH®

49-32-0081



Twelve 16 oz. bottles per case (Sold only in case lots)
ELIMINATE CUTTING FLUID EXPERIMENTATION – USE HAWG WASH WITH STEEL HAWG CUTTERS. Hawg Wash is a water soluble chemical fluid concentrate containing stable sulphur and chlorine additives. This product is designed for extreme pressure applications (tough alloys and severe operations) but is also excellent for general machining assignments. Hawg Wash is very efficient due to its combination of high cooling and strong lubricating characteristics. One 16 oz. bottle makes one gallon of solution. Proper mixing of concentrate requires mixing the concentrate into the water.

ARBOR WRENCH SET

49-96-0010 Necessary to disassemble arbor body.



HAWG WASH HAND PUMP

44-46-0090

HAWG WASH HAND PUMP OIL HOSE

43-75-0010

QUICK CHANGE TANG DRIVE STEEL HAWG CUTTERS

FOR USE WITH QUICK CHANGE ARBOR ASSEMBLIES ABOVE.

These durable carbide-tipped cutters penetrate metals three times faster, with less pressure and better results than twist drills. Quick Change Steel Hawg Cutters require no prepunching or pilot holes, cut accurately, minimize stock removal and leave a reamlike finish. Available in 25 sizes, from 1/2" to 2" diameters as shown below. All cutters have a maximum cutting depth of 1". These cutters fit directly into the 4245 Steel Hawg boring machine or can be used on electromagnetic drill motors with the arbor assemblies above.

CATALOG NUMBER	DIAMETER	CATALOG NUMBER	DIAMETER	CATALOG NUMBER	DIAMETER
49-57-0251	1/2"	49-57-1064	1-1/16"	49-57-1627	1-5/8"
49-57-0564	9/16"	49-57-1127	1-1/8"	49-57-1689	1-11/16"
49-57-0626	5/8"	49-57-1189	1-3/16"	49-57-1752	1-3/4"
49-57-0689	11/16"	49-57-1252	1-1/4"	49-57-1814	1-13/16"
49-57-0752	3/4"	49-57-1314	1-5/16"	49-57-1877	1-7/8"
49-57-0814	13/16"	49-57-1377	1-3/8"	49-57-1939	1-15/16"
49-57-0877	7/8"	49-57-1439	1-7/16"	49-57-2002	2"
49-57-0939	15/16"	49-57-1502	1-1/2"		
49-57-1002	1"	49-57-1564	1-9/16"		



KEY DRIVE STEEL HAWG CUTTERS (FOR DISCONTINUED 4240 ONLY)

Available in 26 sizes, from 1/2" to 2" diameters as shown below. All cutters have a maximum cutting depth of 1".

CATALOG NUMBER	DIAMETER	CATALOG NUMBER	DIAMETER
49-57-0250	1/2"	49-57-1251	1-1/4"
49-57-0563	9/16"	49-57-1313	1-5/16"
49-57-0625	5/8"	49-57-1376	1-3/8"
49-57-0688	11/16"	49-57-1438	1-7/16"
49-57-0751	3/4"	49-57-1501	1-1/2"
49-57-0813	13/16"	49-57-1563	1-9/16"
49-57-0876	7/8"	49-57-1626	1-5/8"
49-57-0938	15/16"	49-57-1688	1-11/16"
49-57-1001	1"	49-57-1751	1-3/4"
49-57-1063	1-1/16"	49-57-1813	1-13/16"
49-57-1126	1-1/8"	49-57-1876	1-7/8"
49-57-1188	1-3/16"	49-57-1938	1-15/16"
49-57-1218	1-7/32"	49-57-2001	2"



HEAVY-DUTY 13.0 AMP 8" METAL CUTTING SAW

6370-20



6370-21 (KIT)



- Durable Magnesium Blade Shield Deflects Hot Metal Chips And Sparks ①
- Integral Chiptank Efficiently Collects Waste For Easy Clean-Up ②
- 2-9/16" Depth Of Cut For One-Pass Through Most Metal Stud, Grating, Panel And Decking ③
- Exclusive Quick-Release Blade Shield Latch For Convenient Chip Disposal And Blade Changes ④
- Convenient Guard Retraction Lever For Plunge Cuts ⑤
- Dry Cut Technology Provides Faster, Cleaner, More Affordable Metal Cutting
- Powerful 13.0 Amp, 3700 Rpm Motor Optimized For Metal Cutting
- Heavy-Duty 22.0 Amp Switch
- Extra-Long 15', Extra-Thick Rubber Cordset
- Tactile-Grip Front And Rear Handles Enhance Comfort And Control
- Durable, Rust-Resistant, Stainless Steel Shoe Provides Smooth, Accurate Cuts
- Premium Cermet-Tipped Metal Cutting Blade Cuts Faster, Cleaner, Longer Than Other Carbide-Tipped Or Friction Blades
- Exclusive Sight-Line And Blade Point-Of-Entry Indicators For Straight Accurate Cuts And Extended Blade Life
- Convenient Cut Depth Adjustment Lever
- Convenient On-Board Blade Wrench Storage

SPECIFICATIONS

CATALOG NUMBER	BLADE SIZE	VOLTS	AMPS	NO LOAD SPEED RPM	ARBOR	DEPTH OF CUT AT 90°	NET WEIGHT LBS. w/ BLADE & CORD	SHIP. WEIGHT LBS.
6370-20	8"	120 AC	13.0	3700	5/8"	2-9/16"	13.7	16.0
6370-21	8"	120 AC	13.0	3700	5/8"	2-9/16"	13.7	25.4

STANDARD EQUIPMENT: FOR 6370-20 – 8" Metal Cutting Circular Saw, Metal Cutting Blade 48-40-4515 and Hex Blade Wrench. FOR 6370-21 – 8" Metal Cutting Circular Saw, Metal Cutting Blade 48-40-4515, Hex Blade Wrench and Impact Resistant Carrying Case.

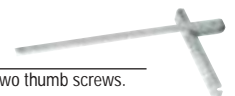
ACCESSORIES



CERMET-TIP METAL CUTTING SAW BLADES
See page 114 for Metal cutting blades.



IMPACT RESISTANT CARRYING CASE
48-55-0045 Standard equipment with 6370-21.



RIP FENCE KIT
49-22-4146 Includes two thumb screws.



BLADE WRENCH
49-96-6205

HEX BLADE WRENCH
49-96-0345 Standard equipment with 6370-20 and 6370-21.

"Y" GREASE 1 LB. CAN (OR) 6 OZ. TUBE
49-08-5275 (Can) 49-08-5270 (Tube)



HEAVY-DUTY 14" ABRASIVE CUT-OFF MACHINES

NEW

6180-20

• 5.4 MAX HP



**5.4
MAX HP!
3900 RPM!**

6176-20

• HEAVY-DUTY CAST
IRON BASE
• 3.2 MAX HP



6180-20 FEATURES

- **Powerful 5.4 Max Horsepower 15 Amp Motor** Can Handle the Toughest Application
- **Heavy-Duty Cast Aluminum Base With 1/4" Reinforced Steel Plate** To Prevent Warping And Provide Additional Strength.
- **Quick Release And Adjustable Vise And 3-Position Fence**
3/8" thick metal vise and fence holds work securely and firmly
- **45° And 90° Markings**
Six markings in base make it easy to set up vise for 90° or 45° cuts for all three fence positions.
- **Horizontal D-Handle**
Provides optimal comfort on the ground or on a bench.
- **Exclusive Quick Change Tool-Free System**
Vise, fence and abrasive wheel removal require no tools. The only tool-free cut-off machine available today!

6176-20 FEATURES

- **High Powered 3.2 Max Horsepower, 15 Amp Motor**
Ideal for cutting dry wall track, light gauge steel studs, threaded rod, Unistrut™, EMT™, pipe, rebar and more.
- **Heavy-Duty Cast Iron Base**
Can withstand daily job-site abuse.
- **Quick Release Locking Vise**
Securely holds material while providing fast and efficient adjustments.
- **Chain Lock-Down And Large Carrying Handle**
For Easy Portability

SPECIFICATIONS

90° CAPACITIES

CATALOG NUMBER	WHEEL SIZE	VOLTS	AMPS	MAXIMUM HORSEPOWER	NO LOAD RPM	ARBOR SIZE	O.D. PIPE DIAMETER	SQUARE STOCK	NET WGT. LBS.	SHIP. WGT. LBS.
6176-20	14"	120 AC/DC	15.0	3.2	3900	1"	5"	5"	47.5	51.3
6180-20	14"	120 AC/DC	15.0	5.4	3900	1"	5-3/8"	5"	49.5	55.0

STANDARD EQUIPMENT: FOR 6176-20 — Includes Tool, 14" Abrasive Wheel and Hex Wrench 49-96-6176. 6180-20 — Includes Tool and 14" Abrasive Wheel.

ACCESSORIES

PREMIUM ABRASIVE CUT-OFF WHEELS



High performance abrasive wheels specifically designed for use on portable cut-off machines. Premium quality, formulated for cutting applications in metal only. Ideal for all gauges of drywall track, rebar, conduit, pipe and channels. Use stud cutting blades for drywall track only. Not for use on hand-held cut-off machines.

14" x 3/32" ABRASIVE CUT-OFF WHEELS

General purpose, metal cutting, 1" arbor diameter, reinforced. Max. safe speed 4,350 RPM-bench top machines.

49-93-6231	Box of 10
49-93-6230	Box of 5
49-94-6231	Box of 1

14" x 3/32" ABRASIVE CUT-OFF WHEELS

Metal stud cutting, 1" arbor diameter, reinforced. Max. safe speed 4,350 RPM-bench top machines.

49-93-6235	Box of 10
49-94-6235	Box of 1

12" x 3/32" ABRASIVE CUT-OFF WHEELS

General purpose, metal cutting, 1" arbor diameter, reinforced. Max. safe speed 5,000 RPM-bench top machines.

49-93-6221	Box of 10
49-93-6220	Box of 5
49-94-6221	Box of 1

WRENCHES

49-96-0225	Hex Wrench
49-96-4125	Open End Wrench

FLANGES

43-34-0780	Top Flange
43-34-0785	Back Flange
44-40-0605	Flange Nut 20mm
44-40-0750	Flange Nut 1"

TYPE 1 CUTTING WHEELS FOR GAS AND ELECTRIC POWERED CUT-OFF MACHINES

DIA./THICKNESS/ARBOR	10/BOX	1/PKG.	MAXIMUM APPLICATION	SPEED
12" X 1/8" X 20 MM	49-93-6101	49-94-6101	General Purpose—Concrete	6300 RPM
12" X 1/8" X 20 MM	49-93-6102	49-94-6102	General Purpose—Metal	6300 RPM
12" X 1/8" X 1"	49-93-6103	49-94-6103	General Purpose—Concrete	6300 RPM
12" X 1/8" X 1"	49-93-6104	49-94-6104	General Purpose—Metal	6300 RPM
12" X 1/8" X 20 MM	49-93-6109	49-94-6109	Ductile Metal	6300 RPM
12" X 1/8" X 1"	49-93-6110	49-94-6110	Ductile Metal	6300 RPM
14" X 1/8" X 20 MM	49-93-6105	49-94-6105	General Purpose—Concrete	5400 RPM
14" X 1/8" X 20 MM	49-93-6106	49-94-6106	General Purpose—Metal	5400 RPM
14" X 1/8" X 1"	49-93-6107	49-94-6107	General Purpose—Concrete	5400 RPM
14" X 1/8" X 1"	49-93-6108	49-94-6108	General Purpose—Metal	5400 RPM

May be used on gas or electric tool models. Not for use on stationary cut-off machines.



HEAVY-DUTY 14" DRY CUT-OFF MACHINE

NEW

6190-20
• 4.8 MAX HP



**4.8
MAX HP!
1500 RPM!**

- Dry Cut Technology-Cuts On Average 3 Times Faster Than Abrasive Machines
- Cost 1-1/2 Times Less Than An Abrasive Cut-off Machine To Operate



- Cuts Fast With Virtually No Sparks Or Burrs
- Heavy-Duty Cast Aluminum Base With 1/4" Reinforced Steel Plate To Prevent Warping and Provide Additional Strength
- No Tools Required For adjusting vise and fence.

- Quick Release and Adjustable Vise and 3-Position Fence 3/8" thick metal vise and fence holds work securely and firmly



- 45° and 90° Markings Six markings in base make it easy to set up vise for 90° or 45° cuts for all three fence positions



- Horizontal D-Handle Provides optimal comfort on the ground or on a bench.

SPECIFICATIONS

90° CAPACITIES

CATALOG NUMBER	WHEEL SIZE	VOLTS	AMPS	MAXIMUM HORSEPOWER	NO LOAD RPM	ARBOR SIZE	O.D. PIPE DIAMETER	SQUARE STOCK	NET WGT. LBS.	SHIP. WGT. LBS.
6190-20	14"	120 AC/DC	15.0	4.8	1500	1"	5-3/8"	5"	49.5	55.0

STANDARD EQUIPMENT: FOR 6190-20 — Includes Tool, 14" 72 tooth carbide tipped blade and hex key.

ACCESSORIES



Designed to reduce vibration for smoother, quieter cuts. Reduces heat, sparks and noise.

48-40-4505 – 72 tooth carbide tipped blade

General purpose ferrous metal blade. Ideal for pipe (black & cast iron), channel, angle iron, tubing (square, rectangular and round), conduit, threaded rod and unistrut.



48-40-4510 – 90 tooth carbide tipped blade

Ideal for stainless steel and light gauge ferrous metal applications.



HEAVY-DUTY BANDFILE

- Grind, Deburr, Blend, Clean Polish, Surface, Condition
- Powerful Milwaukee Quiet 5.5 Amp Motor
- 1/2" x 18" Contact Arm
- 180° Tool-Free Adjustable Head
- 3-Position Side Handle
- On/Off Paddle Switch

6101-6



Grind and deburr ends of metal stock.



Strap polishing using contact arm 48-08-0290.

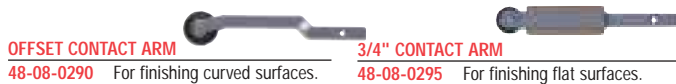


Effective in sanding hard to reach places on wood and other non-metallic surfaces.

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC	AMPS	SFPM	LENGTH (INS.)	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
6101-6	120	5.5	2,300	18.5	6.0	7.8

STANDARD EQUIPMENT: FOR 6101-6 – Includes Side Handle, 1/2" Arm and Belt Assortment 49-93-8120.



OFFSET CONTACT ARM

48-08-0290 For finishing curved surfaces.

3/4" CONTACT ARM

48-08-0295 For finishing flat surfaces.

ACCESSORIES



MILWAUKEE BANDFILE BELTS

Are made with premium, natural mineral abrasives adhered to heat resistant cloth backing for extended wear under the toughest conditions. They are ideal for grinding, deburring, sanding or polishing a wide variety of base materials including metal, wood, plastics, fiberglass and composites. Use non-woven conditioning belts to blend or polish and aluminum oxide belts where stock removal is desired.

3/4" BELT SELECTION FOR USE WITH CONTACT ARM 48-08-0295

CATALOG NUMBER	PKG. SIZE	GRIT	DESCRIPTION	QTY.
49-93-8111	3/4"x 18"	Very Fine	Non-Woven Conditioning Belt	5
49-93-8112	3/4"x 18"	Medium	Non-Woven Conditioning Belt	5
49-93-8113	3/4"x 18"	Coarse	Non-Woven Conditioning Belt	5
49-93-8114	3/4"x 18"	Assortment	Non-Woven Conditioning Belt	5
49-92-8131	3/4"x 18"	Very Fine	Non-Woven Conditioning Belt	25
49-92-8132	3/4"x 18"	Medium	Non-Woven Conditioning Belt	25
49-92-8133	3/4"x 18"	Coarse	Non-Woven Conditioning Belt	25
49-93-8125	3/4"x 18"	60	Alum. Oxide Resin Cloth	10
49-93-8126	3/4"x 18"	80	Alum. Oxide Resin Cloth	10
49-93-8127	3/4"x 18"	120	Alum. Oxide Resin Cloth	10
49-93-8128	3/4"x 18"	180	Alum. Oxide Resin Cloth	10
49-93-8129	3/4"x 18"	240	Alum. Oxide Resin Cloth	10
49-93-8130	3/4"x 18"	Assortment	Alum. Oxide Resin Cloth	10
49-92-8125	3/4"x 18"	60	Alum. Oxide Resin Cloth	50
49-92-8126	3/4"x 18"	80	Alum. Oxide Resin Cloth	50
49-92-8127	3/4"x 18"	120	Alum. Oxide Resin Cloth	50
49-92-8128	3/4"x 18"	180	Alum. Oxide Resin Cloth	50
49-92-8129	3/4"x 18"	240	Alum. Oxide Resin Cloth	50

1/2" BELT SELECTION

CATALOG NUMBER	SIZE	GRIT	DESCRIPTION	PKG. QTY.
49-93-8101	1/2" x 18"	Very Fine	Non-Woven Conditioning Belt	5
49-93-8103	1/2" x 18"	Medium	Non-Woven Conditioning Belt	5
49-93-8105	1/2" x 18"	Coarse	Non-Woven Conditioning Belt	5
49-93-8110	1/2" x 18"	Assortment	Non-Woven Conditioning Belt	5
49-92-8101	1/2" x 18"	Very Fine	Non-Woven Conditioning Belt	25
49-92-8103	1/2" x 18"	Medium	Non-Woven Conditioning Belt	25
49-92-8105	1/2" x 18"	Coarse	Non-Woven Conditioning Belt	25
49-93-8115	1/2" x 18"	60	Alum. Oxide Resin Cloth	10
49-93-8116	1/2" x 18"	80	Alum. Oxide Resin Cloth	10
49-93-8117	1/2" x 18"	120	Alum. Oxide Resin Cloth	10
49-93-8118	1/2" x 18"	180	Alum. Oxide Resin Cloth	10
49-93-8119	1/2" x 18"	240	Alum. Oxide Resin Cloth	10
49-93-8120	1/2" x 18"	Assortment	Alum. Oxide Resin Cloth	10
49-92-8115	1/2" x 18"	60	Alum. Oxide Resin Cloth	50
49-92-8116	1/2" x 18"	80	Alum. Oxide Resin Cloth	50
49-92-8117	1/2" x 18"	120	Alum. Oxide Resin Cloth	50
49-92-8118	1/2" x 18"	180	Alum. Oxide Resin Cloth	50
49-92-8119	1/2" x 18"	240	Alum. Oxide Resin Cloth	50

*Catalog Numbers noting a 25 or 50 count are packaged loose in a box. All others are in hangable tri-lingual sleeves.



HEAVY-DUTY 4-1/2" & 5" SUPER MAGNUM® 12.0 AMP SANDER/GRINDERS

6153-20

- 4-1/2" SANDER/GRINDER



6154-20

- 4-1/2" SANDER/GRINDER
- LOCK-ON AND DIAL SPEED FEATURE



6155-20

- 5" SANDER/GRINDER



6156-20

- 5" SANDER/GRINDER
- LOCK-ON AND DIAL SPEED FEATURE



EXCLUSIVE SUPER MAGNUM SANDER/GRINDER FEATURES

- **Powerful 12.0 Amp 2-1/8 Maximum HP With Long Life Brushes And High Output Fans**
Provides high performance power for grinding, cutting, and finishing operations.
- **Paddle Switch With Integrated Lock-Off Button**
Allows multiple hand positions to ease operator fatigue.
- **Cast Aluminum Gear Housing With Recessed Spindle Lock**
Accessory change is fast and easy – single wrench operation.
- **Adjustable Wheel Guard**
Tool-free adjustment.

EXCLUSIVE 6154-20 AND 6156-20 FEATURES

- **Lock-On Button For Continuous Operation**
- **Electronic Feedback**
Maintains speed and torque under load conditions.
- **Dial Speed Control**
To match optimum RPM to application.
- **Soft Start Increases Gear And Bearing Life**
- **Electronic Overload Protection**
Automatically limits current to protect motor.
- **10' Quik-Lok® Cord For Tangle Free Carrying And Storage—Instant Field Repair**
16-gauge, 2-wire rubber cord
No. 48-76-5010.

ACCESSORIES

SIDE HANDLE	(Standard Equipment)
49-15-0310	
SPANNER WRENCH	(Standard Equipment)
49-96-7205	
GUARD	(Standard Equipment)
49-12-0365	4-1/2" Guard
49-12-0366	5" Guard
GUARDS – FOR TYPE 1 DISCS	
For all Magnum, Super Magnum, 6140, 6145 and 6141 models.	
49-12-0361	4-1/2" Guard.
49-12-0362	5" Guard.
FLANGES AND NUTS	(Standard Equipment)
49-05-0041	Back Flange (Standard Equipment)
49-05-0050	For all 4-1/2" and 5" models with a 1/2" - 13 spindle.
49-05-0051	For all 4-1/2" and 5" models with a 5/8" - 11 spindle. (Standard Equipment)
MAGNUM SERIES GRINDER CARRYING CASE	
48-55-9082	Steel case.



Ergonomic body design with extended paddle switch.



Spindle lock for fast and easy single wrench operation.



5-position disc guard requires no tools.

SPECIFICATIONS

CATALOG NUMBER	SPEED RPM	DISC DIA.	VOLTS	MAX POWER OUTPUT (WATTS/HP)	AMPS	SPINDLE THREAD SIZE*	LENGTH INS.	WIDTH INS.	NET WGT. LBS.	SHIP. WGT. LBS.
6153-20 Δ	11,000	4-1/2"	120 AC-DC	1570/2.1	12.0	5/8"-11	14	5	6.5	7.2
6154-20 Δ	4,000-11,000	4-1/2"	120 AC ONLY	1570/2.1	12.0	5/8"-11	14	5	6.5	7.2
6155-20 Δ	11,000	5"	120 AC-DC	1570/2.1	12.0	5/8"-11	14	5-1/2	6.6	7.3
6156-20 Δ	4,000-11,000	5"	120 AC ONLY	1570/2.1	12.0	5/8"-11	14	5-1/2	6.6	7.3

STANDARD EQUIPMENT: FOR ALL – Side Handle, Spanner Wrench, Grinding Disc, Guard, Back Flange, and Flange Nut.

Δ When used as a grinder, guard must be used for O.S.H.A. compliance and safety.

* Flange designed to accommodate 7/8" hub depressed center wheel, diamond blades, and Type 1 wheels (use Type 1 guard)



HEAVY-DUTY 4-1/2" & 5" MAGNUM® 8.5 AMP SANDER/GRINDERS

6148-6

- 4-1/2" SANDER/GRINDER WITH LOCK-ON



6149-6 (KIT)

- INCLUDES 6148-6



6151

- 4-1/2" SANDER/GRINDER



6149-20

- 5" SANDER/GRINDER WITH LOCK-ON



- **Powerful 8.5 Amp, 1-2/3 Maximum H.P. With Long Life Brushes And High Output Fans**
Provides high performance power for grinding, cutting, and finishing operations.
- **Paddle Switch With Integrated Lock-Off Button**
Allows multiple hand positions to ease operator fatigue.
- **Optimum Speed For Various Accessories**
Including resin bonded abrasives, wire brushes, resin fiber discs and abrasive flap discs.
- **Cast Aluminum Gear Housing With Recessed Spindle Lock**
Accessory change is fast and easy – single wrench operation.
- **3-Position Large Flanged Side Handle**
Eases operator fatigue.
- **Adjustable Wheel Guard**
Tool-free adjustment.
- **Lock-On Button**
For continuous operation (except on model 6151).

ACCESSORIES

SIDE HANDLE (Standard Equipment)
49-15-0310



SPANNER WRENCH (Standard Equipment)
49-96-7205



GUARD
49-12-0365 4-1/2" Guard
49-12-0366 5" Guard

GUARDS – FOR TYPE 1 DISCS

For all Magnum, Super Magnum, 6140, 6145 and 6141 models.

49-12-0361 4-1/2" Guard.
49-12-0362 5" Guard.

FLANGES AND NUTS

49-05-0041 Back Flange
49-05-0050 For all 4-1/2" and 5" models with a 1/2" - 13 spindle.
49-05-0051 For all 4-1/2" and 5" models with a 5/8" - 11 spindle.

MAGNUM SERIES GRINDER CARRYING CASE
48-55-9082 Steel case.



Ergonomic body design with extended paddle switch.



Spindle lock for fast and easy single wrench operation.



5-position, quick change disc guard requires no tools.

SPECIFICATIONS

CATALOG NUMBER	SPEED RPM	DISC DIA.	VOLTS AC-DC	MAX POWER OUTPUT (WATTS/MAX HP)	AMPS	SPINDLE THREAD SIZE*	LENGTH (IN.)	WIDTH (IN.)	NET WGT. LBS.	SHIP. WGT. LBS.
6148-6 Δ	10,000	4-1/2"	120	1200/1-2/3	8.5	5/8"-11	14	5	4.9	6.1
6149-6 KITΔ	10,000	4-1/2"	120	1200/1-2/3	8.5	5/8"-11	14	5	13.4	14.0
6151 Δ	10,000	4-1/2"	120	1200/1-2/3	8.5	5/8"-11	14	5	4.9	6.0
6149-20	10,000	5"	120	1200/1-2/3	8.5	5/8"-11	14	5-1/2	5.2	6.2

STANDARD EQUIPMENT: FOR 6148-6, 6151 AND 6149-20 – Side Handle, Spanner Wrench, Grinding Disc, Guard and Flange Set. FOR 6149-6 – Same as 6148-6 Plus Carrying Case.

Δ When used as a grinder, guard must be used for O.S.H.A. compliance.

* Flange designed to accommodate 7/8" hub depressed center wheel, diamond blades, and Type 1 wheels (use Type 1 guard).



HEAVY-DUTY 4-1/2" AND 5" 5.5 AMP SANDER/GRINDERS

4-1/2" DIAMETER MODELS

6140-6

• 5/8"-11 SPINDLE SIZE



6145

• 1/2"-13 SPINDLE SIZE



5" DIAMETER MODEL

6141

• 5/8"-11 SPINDLE SIZE



- **Powerful 5.5 Amp 3/4 Maximum HP Motor With Long Life Brushes And High Output Fans**
Provides high performance power for grinding, cutting, and finishing operations.
- **Optimum Speed For Various Accessories Including resin bonded abrasives, wire brushes, resin fiber discs and abrasive flap discs.**
- **All Ball And Roller Bearing Construction**
- **Spiral Bevel Gears**
For optimum motor torque transfer, improved performance and durability. Replaceable armature pinion gear.
- **Cast Aluminum Gear Housing With Recessed Spindle Lock**
Accessory change is fast and easy – single wrench operation.
- **3-Position Side Handle**
- **Adjustable Wheel Guard**
Tool-free adjustment.



SPECIFICATIONS

CATALOG NUMBER	SPEED RPM	DISC DIA.	VOLTS AC-DC	AMPS	MAXIMUM POWER OUTPUT (WATTS/MAX HP)	SPINDLE SIZE *	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6140-6 Δ	10,000	4-1/2"	120	5.5	560/3/4	5/8"-11	10-1/2"	4.5	6.0
6145 Δ	10,000	4-1/2"	120	5.5	560/3/4	1/2"-13	10-1/2"	4.5	6.0
6141 Δ	10,000	5"	120	5.5	560/3/4	5/8"-11	10-1/2"	5.0	6.3

STANDARD EQUIPMENT: FOR 6140-6, 6145 AND 6141 – Side Handle, Spanner Wrench, Grinding Disc, Type 27 Guard, Back Flange and Flange Nut.

Δ When used as a grinder, guard must be used for O.S.H.A. compliance.

* Flange designed to accommodate 7/8" hub depressed center wheel, diamond blades, and Type 1 wheels (use Type 1 guard)

ACCESSORIES

GUARDS – MOVEABLE

49-12-0365 4-1/2" – moveable. For "E" and above serial number tools. (Not applicable on A thru D serial number tools.)

49-12-0366 5" – moveable. For "E" and above serial number tools. (Not applicable on A thru D serial number tools.)

GUARDS – FOR TYPE 1 DISCS

For all Magnum, Super Magnum, 6140, 6145 and 6141 models.

49-12-0361 4-1/2" Guard.

49-12-0362 5" Guard.

GUARDS – SINGLE SCREW

49-12-0320 4-1/2" – single screw. For previous models serial number "D" and below.

49-12-0330 5" – single screw. For previous models serial number "D" and below.

FLANGES AND NUTS

49-05-0041 Back Flange.

49-05-0050 Flange nut. *For use with 6145

49-05-0051 Flange nut.

REMOVABLE SIDE HANDLE

49-15-0310



SPANNER WRENCH

49-96-7205 Spanner wrench



STEEL CARRYING CASE

48-55-0885

IMPACT RESISTANT CARRYING CASE

48-55-0886 Protective carrying case...high impact polyethylene. May be used with either 4-1/2" or 5" sander/grinders.



HEAVY-DUTY 6" RIGHT ANGLE GRINDER

NEW

6160-20

• 9000 RPM



- **Paddle Style Switch**
For optimal comfort and operator control; the preferred style on most major job sites.
- **1.9 Max Horsepower, 11.0 Amp Motor** (9000 rpm) easily handles the toughest cutting and grinding applications.
- **Solid State Electronics – Tachometer Feedback**
 - Constant speed under load – optimizes cutting and grinding performance.
 - Soft start – reduces start-up torque and improves gear life.
 - Overload protection – helps prevent over heating and motor failures.
- **Tool-Free, Five-Position Guard For Fast Guard Adjustments**
- **Three Position Side Handle**
For maximum control and comfort during cutting and grinding applications.
- **Directed Air Flow Through Four Exhaust Vents For Cooler Running and Longer Motor Life**
- **Lightweight**
Only 6.6 pounds and compact to fit in tight spaces.
- **Superior Life Test Results When Simulating A Typical Cutting Application:**



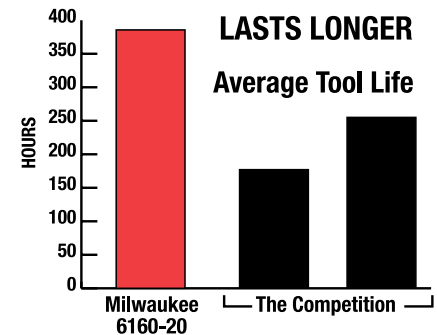
CUTTING:

- Tubing, Pipe or Conduit • Angle Iron
- Channel and I-beam • Rebar • UniStrut
- Anchors • Sheet Steel



GRINDING:

- Welds • Steel and Stainless Steel



Source: Internal test data.

SPECIFICATIONS

CATALOG NUMBER	SPEED RPM	DISC DIA.	VOLTS	AMPS	MAXIMUM HORSEPOWER	SPINDLE THREAD SIZE	OVERALL LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6160-20	9000	6"	120 AC ONLY	11.0	1.9	5/8"-11	12-5/8"	6.6	8.5

STANDARD EQUIPMENT: FOR 6160-20 — Tool, side handle 49-15-0310, Type 27 guard (49-12-0300), back flange (49-05-0110), flange nut (49-05-0125), abrasive cutting wheel (49-94-6305).

ACCESSORIES

Milwaukee's new line of 6" high quality grinding wheels is designed to provide maximum life, fast and efficient metal removal.

Abrasive wheel specifications and types are defined by Diameter X Thickness X Center Hole / Hub Size.

- 7/8" center hole diameter requires the use of back flange and flange nut (included with tool).
- 5/8"-11 hub threads directly onto shaft.



Type 1 Wheels



Type 27 Wheels (Depressed Center)

PREMIUM ABRASIVE WHEELS

Cut-Off Applications:

Cat. Number	Description	Application	Qty/Ctn	Type
49-94-6300	6" X .045" X 7/8"	Stainless Steel / Metal	25	1
49-94-6305	6" X .045" X 7/8"	Stainless Steel / Metal	25	27

Grinding / Cut-Off Applications:

49-94-6360	6" X 1/8" X 5/8"-11	Pipe line / Cutting & Grinding	10	27
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Grinding Applications:

49-94-6330	6" X 1/4" X 5/8"-11	Stainless Steel / Metal	10	27
49-94-6340	6" X 1/4" X 7/8"	Stainless Steel / Metal	10	27

GUARD-TYPE 1

49-12-0305

Five-position, tool-free Type 1 guard allows for fast guard adjustments. Per OSHA and ANSI standards, a Type 1 guard must be used with Type 1 wheels (abrasive or diamond).



Note: OSHA and ANSI standards require the use of a Type 1 guard with a Type 1 wheel (abrasive or diamond).



HEAVY-DUTY 7"/9" 13.0 AMP SANDERS

6072

• 5000 RPM



6078

• 0-6000 RPM
• DIAL SPEED FEATURE



- MILWAUKEE Sanders May Be Converted To Grinders By Using The Proper Wheel Guard For Grinding Operations.
- Powerful 13.0 Amp 2-1/4 Maximum HP With Long Life Brushes And High Output Fans Provides high performance power for grinding, cutting, and finishing operations.
- Optimum Speed Range For Various Accessories Including resin bonded abrasives, wire brushes, resin fiber discs and abrasive flap discs.
- All Ball And Roller Bearing Construction
- Spiral Bevel Gears For optimum motor torque transfer, improved performance and durability. Replaceable armature pinion gear.
- Cast Aluminum Gear Housing With Recessed Spindle Lock Accessory change is fast and easy – single wrench operation.
- 2-Position Side Handle
- Adjustable Wheel Guard
- Lock-On Button For Continuous Operation

EXCLUSIVE 6078 FEATURE:

- Dial Speed Control To match optimum RPM to application.
- 2-Wire Quik-Lok® Cord* Sets Quick detachment from tool for tangle free carrying and storage. Instant field repair and safe replacement. Tools come with 2-wire, 10'-16 gauge rubber cord No. 48-76-5010. A 25' cord No. 48-76-5025 is also available.



*2-Wire Quik-Lok Cord is not compatible with previous 3-Wire Quik-Lok configurations.

SPECIFICATIONS

CATALOG NUMBER	SPEED RPM	DISC DIA.	VOLTS	AMPS	MAX. POWER OUTPUT (WATTS)	MAXIMUM HORSEPOWER	SPINDLE THREAD SIZE	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6072	5000	7"/9"	120 AC-DC	13.0	1680	2-1/4	5/8"-11	17"	9.3	11.3
6078	0-6000	7"/9"	120 AC ONLY	13.0	1680	2-1/4	5/8"-11	17"	9.3	11.3

STANDARD 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

48-55-0890 For all 13.0 and 15.0 amp Grinders and Sanders. 6080-20, 6081-20, 6082-20, 6086-20, 6088-20 & 6089-20 sander/grinders will only fit if the wheel & guard are removed.

TYPE "G" GREASE

49-08-4140 1 lb. can





HEAVY-DUTY 15.0 AMP SANDERS AND GRINDERS

6065-6
• 5000 RPM



6066-6
• 6000 RPM



- MILWAUKEE Sanders May Be Converted To Grinders By Using The Proper Wheel Guard For Grinding Operations. See Accessory Pages.
- Powerful 15.0 Amp 3-1/2 Maximum HP With Long Life Brushes And High Output Fans Provides high performance power for grinding, cutting, and finishing operations.
- Cast Aluminum Gear Housing With Recessed Spindle Lock Accessory change is fast and easy – single wrench operation.
- Optimum Speed Range For Various Accessories Including resin bonded abrasives, wire brushes, resin fiber discs and abrasive flap discs.
- All Ball And Roller Bearing Construction
- Spiral Bevel Gears For optimum motor torque transfer, improved performance and durability. Replaceable armature pinion gear.
- Lock-On Button For Continuous Operation
- 2-Position Side Handle

ACCESSORIES

STEEL CARRYING CASE

48-55-0890 For all 13.0 and 15.0 amp Grinders and Sanders. 6080-20, 6081-20, 6082-20, 6086-20, 6088-20 & 6089-20 sander/grinders will only fit if the wheel & guard are removed.



SPECIFICATIONS

CATALOG NUMBER	SPEED RPM	DISC DIA.	GUARD TYPE	VOLTS AC-DC	AMPS	MAX. POWER OUTPUT (WATTS)	MAXIMUM HORSEPOWER	SPINDLE THREAD SIZE	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6065-6	5000	7"/9"	–	120	15.0	2610	3-1/2	5/8"-11	17-1/2"	12.0	15.3
6066-6	6000	7"/9"	–	120	15.0	2610	3-1/2	5/8"-11	17-1/2"	12.0	15.3

STANDARD EQUIPMENT: FOR 6065-6 and 6066-6 — Side Handle, Flange and Nylon Washer Only. Order All Accessories Separately.



HEAVY-DUTY 15.0 AMP SANDERS

6080-20

- 7"/9" DIAMETER
- 6000 RPM



**SUPERIOR
ERGONOMICS**



6081-20

- 7"/9" DIAMETER
- 6000 RPM



**OUTSTANDING
DURABILITY AND
PERFORMANCE**



6082-20

- 7"/9" DIAMETER
- 6000 RPM
- EXCLUSIVE 9-POSITION ROTATING MAIN GRIP



- **Powerful 15.0 Amp 4.0 Maximum Horsepower**
Provides high performance power for grinding, cutting, and finishing operations.
- **Side And Main Grip Angled For Optimum Comfort**
- **Lightweight**
- **Comfortable Two Finger Switch**
- **3-Position Side Handle**
- **Cast Aluminum Gear Housing With Conveniently Located Spindlelock**
Accessory change is fast and easy-single wrench operation.
- **Spiral Bevel Gears**
For optimum motor torque transfer, improved performance and durability. Replaceable armature pinion gear.
- **Outstanding Durability And Performance**
Epoxy coated field windings and armature. gear case is specially sealed. Long lasting brushes.
- **Heavy-Duty Tool Rest Cast in the Gear Case**
- **Optimum Speed For Various Accessories**
Including resin bonded abrasives, wire brushes, resin fiber discs and abrasive flap discs.

EXCLUSIVE 6082-20 FEATURES

- **9-Position Rotating Main Grip**
Provides optimum comfort when grinding or cutting in any position.



SPECIFICATIONS

CATALOG NUMBER	SPEED RPM	DISC DIA.	VOLTS AC-DC	AMPS	CORD	DOUBLE INSULATED /GROUNDED	SWITCH LOCK	GUARD	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6080-20	6000	7"/9"	120	15.0	FIXED	DOUBLE INSULATED	N/A	OPTIONAL	19-1/4"	11.8	14.7
6081-20	6000	7"/9"	120	15.0	FIXED	GROUNDED	N/A	OPTIONAL	19-1/4"	11.8	14.7
6082-20	6000	7"/9"	120	15.0	FIXED	DOUBLE INSULATED	N/A	OPTIONAL	19-1/4"	11.8	14.7

STANDARD EQUIPMENT: Side Handle and Nylon Washer.



HEAVY-DUTY 15.0 AMP GRINDERS

6086-20

- 9" DIAMETER
- 6000 RPM



**SUPERIOR
ERGONOMICS**

6088-20

- 7" DIAMETER
- 6000 RPM



**OUTSTANDING
DURABILITY AND
PERFORMANCE**

6089-20

- 9" DIAMETER
- 6000 RPM
- EXCLUSIVE 9-POSITION ROTATING MAIN GRIP



- **Powerful 15.0 Amp, 4.0 Maximum Horsepower**
Provides high performance power for grinding, cutting, and finishing operations.
- **Side And Main Grip Angled For Optimum Comfort**
- **Lightweight**
- **Comfortable Two Finger Switch**
- **3-Position Side Handle**
- **Cast Aluminum Gear Housing With Conveniently Located Spindlelock**
Accessory change is fast and easy-single wrench operation.
- **Spiral Bevel Gears**
For optimum motor torque transfer, improved performance and durability. Replaceable armature pinion gear.
- **Outstanding Durability And Performance**
Epoxy coated field windings and armature. gear case is specially sealed. Long lasting brushes.
- **Heavy-Duty Tool Rest Cast in the Gear Case**
- **Optimum Speed For Various Accessories**
Including resin bonded abrasives, wire brushes, resin fiber discs and abrasive flap discs.

EXCLUSIVE 6089-20 FEATURES

- **9-Position Rotating Main Grip**
Provides optimum comfort when grinding or cutting in any position.



SPECIFICATIONS

CATALOG NUMBER	SPEED RPM	DISC DIA.	VOLTS AC-DC	AMPS	CORD	DOUBLE INSULATED /GROUNDED	SWITCH LOCK	GUARD	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6088-20	6000	7"	120	15.0	FIXED	DOUBLE INSULATED	LOCK-ON	7" GUARD	19-1/4"	13.7	16.5
6086-20	6000	9"	120	15.0	QUIK-LOK	DOUBLE INSULATED	LOCK-ON	9" GUARD	19-1/4"	14.1	17.4
6089-20	6000	9"	120	15.0	QUIK-LOK	DOUBLE INSULATED	LOCK-ON	9" GUARD	19-1/4"	14.1	17.4

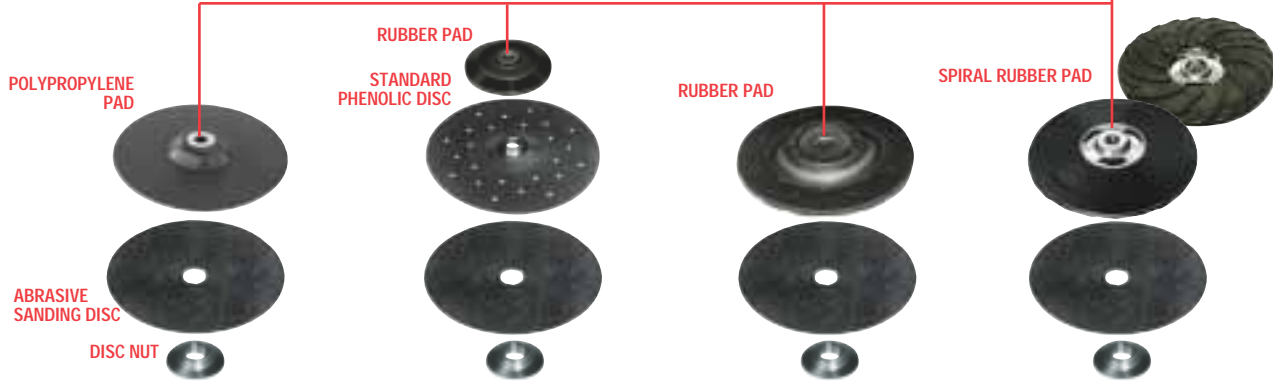
STANDARD EQUIPMENT: Side Handle, Nylon Washer, Back Flange, Flange Nut, and Spanner Wrench. FOR 6088-20 – 7" guard and 7" grinding wheel. FOR 6086-20 and 6089-20 – 9" guard and 9" grinding wheel.



HEAVY-DUTY SANDER ACCESSORIES



BACKING PAD ASSEMBLIES



SPIRAL RUBBER PAD ASSEMBLIES

Spiral design backing pad is air cooled...ideal for all sanding applications on metal, plastic, fiberglass, etc. Complete assembly includes Rubber Pad and Disc Nut. Does Not Include Abrasive Sanding Disc.

- 49-36-3800 7" Dia., 5/8"-11 Thread, Max. Speed 7500 RPM.
- 49-36-3850 9" Dia., 5/8"-11 Thread, Max. Speed 6000 RPM.
- 49-40-0360 Disc Nut only.

RUBBER PAD ASSEMBLIES

Complete assembly includes Rubber Pad and Disc Nut. Does Not Include Abrasive Sanding Disc.

- 49-36-3700 7" Dia., 5/8"-11 Thread, Max. Speed 8500 RPM.
- 49-36-3750 9" Dia., 5/8"-11 Thread, Max. Speed 7500 RPM.
- 49-40-0360 Disc Nut only.

STANDARD PHENOLIC DISC ASSEMBLIES

Complete assembly includes Rubber Pad, Disc and Disc Nut. Does Not Include Abrasive Sanding Disc.

- 49-36-6000 7" Dia., 5/8"-11 Thread, Max. Speed 7000 RPM.
- 49-36-6050 9" Dia., 5/8"-11 Thread, Max. Speed 7000 RPM.
- 49-40-0350 Disc Nut only.

PHENOLIC DISC ONLY (WHEN PURCHASED SEPARATELY)

Must be used with Rubber Pad No. 49-36-3500.

- 48-80-6000 7" Dia., 5/8"-11 Thread, Max. Speed 7000 RPM.
- 48-80-6050 9" Dia., 5/8"-11 Thread, Max. Speed 7000 RPM.
- 49-36-3500 Rubber Pad only. Maximum Speed 7000 RPM.
- 49-40-0350 Disc Nut only.

POLYPROPYLENE PAD KITS

Includes backing pad and disc nut.

- 49-36-3455 4-1/2" Dia., 5/8"-11 Thd., Max. Spd. 13,000 RPM.
- 49-36-3450 4-1/2" Dia., 1/2"-13 Thd., Max. Spd. 13,000 RPM. For use with 6145 and previous Model 6147 Kit.
- 49-36-3465 5" Dia., 5/8"-11 Thd., Max. Speed 13,000 RPM. For use with 6141.
- 49-36-3460 5" Dia., 1/2"-13 Thread, Max. Speed 13,000 RPM. For use with previous Model 6146.

POLYPROPYLENE PADS

Assembly includes Disc Nut. Does Not Include Abrasive Sanding Disc.

- 49-36-3452 4-1/2" Dia., 1/2"-13 Thd., Max. Spd. 13,000 RPM.
- 49-36-3453 4-1/2" Dia., 5/8"-11 Thd., Max. Spd. 13,000 RPM.
- 49-36-3462 5" Dia., 1/2"-13 Thread, Max. Speed 13,000 RPM.
- 49-36-3463 5" Dia., 5/8"-11 Thread, Max. Speed 13,000 RPM.
- 49-36-3900 7" Dia., 5/8"-11 Thread, Max. Speed 8000 RPM.
- 49-36-3950 9" Dia., 5/8"-11 Thread, Max. Speed 8000 RPM.

DISC NUTS

- 49-40-0360 5/8"-11 Thread.
- 49-40-0370 1/2"-13 Thread. As furnished with 49-36-3450 and 49-36-3452 Backing Pad Assemblies.

RESIN BONDED ABRASIVE SANDING DISCS

ALUMINA ZIRCONIA RESIN FIBRE DISCS

METAL APPLICATIONS	4-1/2" DIA. 13,000 RPM MAX. SPEED	5" DIA. 13,000 RPM MAX. SPEED	7" DIA. 7,000 RPM MAX. SPEED	9" DIA. 7,000 RPM MAX. SPEED	GRIT	QTY
• High Performance and fast removal rate	48-80-0681	48-80-0693	48-80-0705	48-80-0717	24	25
• Paint removal on cars or boats – Ideal for heavy weld and metal grinding – Ideal for all ferrous metals	48-80-0683	48-80-0695	48-80-0707	48-80-0719	36	25
	48-80-0685	48-80-0697	48-80-0709	48-80-0723	50	25
	48-80-0687	48-80-0699	48-80-0713	48-80-0725	60	25
	48-80-0689	48-80-0703	48-80-0715	48-80-0727	80	25

ALUMINUM OXIDE RESIN FIBRE DISCS FOR MALLEABLE MATERIALS

• Removes material rapidly	48-80-0622	48-80-0636	48-80-0652	–	24	5
• Ideal for Aluminum and non-ferrous metals, wood and fiberglass	48-80-0623	48-80-0637	48-80-0653	48-80-0667	24	25
	48-80-0626	48-80-0642	48-80-0656	–	36	5
	48-80-0627	48-80-0643	48-80-0657	48-80-0673	36	25
	48-80-0632	48-80-0646	48-80-0662	–	50	5
	48-80-0633	48-80-0647	48-80-0663	48-80-0677	50	25

CERAMIC RESIN FIBER DISCS FOR METAL - CARBON ALLOY APPLICATIONS ONLY

• Long lasting and superior performance in comparison to equivalent aluminum oxide disc	48-80-0770	48-80-0812	48-80-0820	48-80-0830	24	5
• High stock removal rate	48-80-0780	48-80-0814	48-80-0822	48-80-0832	36	5
• Ideal for grinding and finishing most demanding applications	48-80-0790	48-80-0815	48-80-0824	48-80-0834	50	5
	48-80-0800	48-80-0816	48-80-0826	48-80-0836	60	5
	48-80-0810	48-80-0817	48-80-0828	48-80-0838	80	5

ALUMINUM OXIDE RESIN FIBER DISCS - GENERAL PURPOSE APPLICATIONS

PURPOSE APPLICATIONS	4-1/2" DIA. 13,000 RPM MAX. SPEED	5" DIA. 13,000 RPM MAX. SPEED	7" DIA. 7,000 RPM MAX. SPEED	9" DIA. 7,000 RPM MAX. SPEED	GRIT	QTY
• Most Common Grain Used In Metal Working Industry	48-80-0501	48-80-0534	48-80-0572	–	assort.	5
• General Purpose Metal Applications	–	–	48-80-0575	–	16	5
Ideal for rust and scale removal	–	–	48-80-0576	48-80-0603	16	25
Light grinding of various metals	48-80-0504	48-80-0536	48-80-0579	–	24	5
	48-80-0505	48-80-0537	48-80-0580	48-80-0605	24	25
	48-80-0508	48-80-0542	48-80-0583	–	36	5
	48-80-0509	48-80-0543	48-80-0584	48-80-0607	36	25
	48-80-0514	48-80-0548	48-80-0587	–	50	5
	48-80-0515	48-80-0549	48-80-0588	48-80-0609	50	25
	48-80-0518	48-80-0554	48-80-0591	–	60	5
	48-80-0519	48-80-0555	48-80-0592	48-80-0613	60	25
	48-80-0524	48-80-0560	48-80-0595	–	80	5
	48-80-0525	48-80-0561	48-80-0596	48-80-0615	80	25
	48-80-0528	48-80-0566	48-80-0599	–	120	5
	48-80-0529	48-80-0567	48-80-0601	48-80-0617	120	25

• Includes one each of 36, 50, 60, 80 and 120 Grit Discs.

ABRASIVE SANDING DISC TRIMMER

Increase the life of used sanding discs by trimming.

- 49-80-1000 Disc Trimmer.
- 49-80-1155 Upper and Lower Blade Set.



HEAVY-DUTY ACCESSORIES

WIRE BRUSHES

CRIMPED OR KNOT WIRE CUP BRUSHES

Finest quality crimped or knot wire brushes to give long service life on the toughest cleaning jobs. Ideally suited for cleaning castings, structural steel, sheet metal.



KNOT WIRE CUP BRUSH - CARBON STEEL

CAT. NO.	DIA. (IN.)	THREAD	DESCRIPTION	MAX. SPEED
48-52-5040	2-3/4	5/8"-11	.020 Wire	12,000 RPM
48-52-1125	2-3/4	1/2"-13	.020 Wire	12,000 RPM
48-52-5067	3-1/2	5/8"-11	.020 Wire	13,000 RPM
48-52-1350	4	5/8"-11	.020 Wire	7,000 RPM
48-52-1650	6	5/8"-11	.023 Wire	6,000 RPM

KNOT WIRE CUP BRUSH - STAINLESS STEEL

48-52-5050	2-3/4	5/8"-11	.020 Wire	12,000 RPM
48-52-1130	2-3/4	1/2"-13	.020 Wire	12,000 RPM

CRIMPED WIRE CUP BRUSH - CARBON STEEL

48-52-5060	3	5/8"-11	.012 Wire	12,000 RPM
48-52-1135	3	1/2"-13	.012 Wire	12,000 RPM
48-52-5065	3-1/2	5/8"-11	.014 Wire	12,000 RPM
48-52-1300	4	5/8"-11	.014 Wire	7,000 RPM
48-52-1400	5	5/8"-11	.020 Wire	8,000 RPM
48-52-1600	6	5/8"-11	.014 Wire	6,000 RPM

BEVEL KNOT BRUSH - CARBON STEEL

48-52-1280	4	5/8"-11	.014 Wire	12,000 RPM
48-52-1285	4	1/2"-13	.014 Wire	12,000 RPM
48-52-1305	4	5/8"-11	.020 Wire	12,000 RPM
48-52-1310	4	1/2"-13	.020 Wire	12,000 RPM

BEVEL KNOT BRUSH - STAINLESS STEEL

48-52-1290	4	5/8"-11	.014 Wire	12,000 RPM
48-52-1295	4	1/2"-13	.014 Wire	12,000 RPM
48-52-1315	4	5/8"-11	.020 Wire	12,000 RPM
48-52-1320	4	1/2"-13	.020 Wire	12,000 RPM

BEVEL CRIMPED BRUSH - CARBON STEEL

48-52-1325	4	5/8"-11	.014 Wire	12,000 RPM
48-52-1330	4	1/2"-13	.014 Wire	12,000 RPM

BEVEL CRIMPED BRUSH - STAINLESS STEEL

48-52-1335	4	5/8"-11	.014 Wire	12,000 RPM
48-52-1340	4	1/2"-13	.014 Wire	12,000 RPM

THREADED ADAPTERS

48-03-1005	5/8"-11 — M 10 X 1.25
48-03-1010	5/8"-11 — M 10 X 1.50

FLAP DISCS

ZIRCONIUM TYPE 29 FLAP DISCS

Flap Discs are a hybrid coated abrasive products that combine the stock removal capabilities of a depressed center wheel with the surface finishing characteristics of a resin fibre disc. The result is an abrasive tool that, in many applications, can grind and finish simultaneously.



ARBOR/THREAD	PKG. OF 1 CATALOG NO.	PKG. OF 5 CATALOG NO.	DIAMETER	GRIT	ARBOR/THREAD	PKG. OF 1 CATALOG NO.	PKG. OF 5 CATALOG NO.	DIAMETER	GRIT
7/8"	48-80-3001	48-81-3001	4-1/2"	36	7/8"	48-80-3021	48-81-3021	5"	80
5/8"-11	48-80-3002	48-81-3002	4-1/2"	36	5/8"-11	48-80-3022	48-81-3022	5"	80
7/8"	48-80-3003	48-81-3003	4-1/2"	60	7/8"	48-80-3023	48-81-3023	5"	120
5/8"-11	48-80-3004	48-81-3004	4-1/2"	60	5/8"-11	48-80-3024	48-81-3024	5"	120
7/8"	48-80-3005	48-81-3005	4-1/2"	80	7/8"	48-80-3009	48-81-3009	7"	36
5/8"-11	48-80-3006	48-81-3006	4-1/2"	80	5/8"-11	48-80-3010	48-81-3010	7"	36
7/8"	48-80-3007	48-81-3007	4-1/2"	120	7/8"	48-80-3011	48-81-3011	7"	60
5/8"-11	48-80-3008	48-81-3008	4-1/2"	120	5/8"-11	48-80-3012	48-81-3012	7"	60
7/8"	48-80-3017	48-81-3017	5"	36	7/8"	48-80-3013	48-81-3013	7"	80
5/8"-11	48-80-3018	48-81-3018	5"	36	5/8"-11	48-80-3014	48-81-3014	7"	80
7/8"	48-80-3019	48-81-3019	5"	60	7/8"	48-80-3015	48-81-3015	7"	120
5/8"-11	48-80-3020	48-81-3020	5"	60	5/8"-11	48-80-3016	48-81-3016	7"	120

WIRE WHEELS

CRIMPED OR KNOT WIRE WHEELS

Finest quality crimped or knot wire brushes to give long service life on the toughest cleaning jobs. Ideally suited for cleaning castings, structural steel, sheet metal.



STRINGER BEAD WIRE WHEEL - STAINLESS STEEL

CAT. NO.	DIA. (IN.)	THREAD	DESCRIPTION	MAX. SPEED
48-52-5000	4	5/8"-11	.020 Wire	12,000 RPM
48-52-1225	4	1/2"-13	.020 Wire	12,000 RPM
48-52-1705	5	5/8"-11	.020 Wire	12,500 RPM
48-52-1720	6	5/8"-11	.020 Wire	9,500 RPM

FULL CABLE TWIST KNOT WIRE WHEEL - CARBON STEEL

48-52-5030	4	5/8"-11	.020 Wire	12,000 RPM
48-52-1250	4	1/2"-13	.020 Wire	12,000 RPM
48-52-1710	5	5/8"-11	.020 Wire	12,500 RPM
48-52-1725	6	5/8"-11	.023 Wire	9,500 RPM

STRINGER BEAD WIRE WHEEL - CARBON STEEL

48-52-5010	4	5/8"-11	.020 Wire	12,000 RPM
48-52-2220	4	1/2"-13	.020 Wire	12,000 RPM
48-52-1700	5	5/8"-11	.020 Wire	12,500 RPM
48-52-1715	6	5/8"-11	.020 Wire	9,500 RPM

FULL CABLE TWIST KNOT WIRE WHEEL - STAINLESS STEEL

48-52-5020	4	5/8"-11	.020 Wire	12,000 RPM
48-52-2225	4	1/2"-13	.020 Wire	12,000 RPM

RADIAL CRIMPED WIRE WHEEL BRUSH - CARBON STEEL

48-52-5070	4	5/8"-11	.014 Wire	12,000 RPM
48-52-1275	4	1/2"-13	.014 Wire	12,000 RPM

USE OF WIRE WHEELS REQUIRES TOOL GUARD.



HEAVY-DUTY GRINDER ACCESSORIES

TYPE 1 AND TYPE 27 & 29 REINFORCED DEPRESSED CENTER WHEELS

TYPE 1 REINFORCED TYPE 1 GRINDING WHEELS

Thin kerf wheel specifically designed for cut-off applications.

TYPE 27

The most popular depressed center wheel for grinding and blending.

TYPE 29

A special disc for inside radiuses.

DISPOSABLE HUB DEPRESSED CENTER TYPE 27 GRINDING WHEEL

Strong and tough. Fiberglass reinforced to resist breakage from twisting, starting torque or lateral pressure.

DEPRESSED CENTER TYPE 27 GRINDING WHEELS

WITH 7/8" REINFORCED ARBOR HOLE

The same high quality grinding wheel as the disposable hub wheel above, but with 7/8" reinforced arbor hole. Less expensive than wheels with disposable hub.

SIZE/ DESCRIPTION	25 BOX	10 BOX	SINGLE	APPLICATION	MAX SPEED
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TYPE 27 ALUMINUM OXIDE DISCS FOR METAL

4x1/8x5/8	49-93-3450	—	49-94-3450	Fast Cut	15,000 RPM
4x1/4x5/8	49-93-3460	—	49-94-3460	Fast Cut	15,000 RPM
4 1/2x1/8x7/8	49-93-3311	49-94-3310	49-94-3311	Fast Cut	13,000 RPM
4 1/2x1/8x7/8	49-93-3455	—	49-94-3455	Long Life	13,000 RPM
4 1/2x1/4x7/8	49-93-3301	49-94-3300	49-94-3301	Fast Cut	13,000 RPM
4 1/2x1/4x7/8	—	—	49-94-3456	Long Life	13,000 RPM
5x1/8x7/8	49-93-3351	49-94-3350	49-94-3351	Fast Cut	12,000 RPM
5x1/4x7/8	—	49-94-3340	49-94-3341	Fast Cut	12,000 RPM

TYPE 27 SILICON CARBIDE DISCS FOR MASONRY, CONCRETE AND STONE

4 1/2x1/8x7/8	49-93-3331	49-94-3330	49-94-3331	Masonry	13,000 RPM
4 1/2x1/4x7/8	49-93-3321	49-94-3320	49-94-3321	Masonry	13,000 RPM
5x1/8x7/8	49-93-3371	49-94-3370	49-94-3371	Masonry	12,000 RPM
5x1/4x7/8	49-93-3361	49-94-3360	49-94-3361	Masonry	12,000 RPM

TYPE 27 ZIRCONIUM GRAIN DISCS FOR METAL

4 1/2x1/4x7/8	—	49-93-4100	49-94-4100	Extra-Long Life	13,000 RPM
4 1/2x1/4x5/8-11	—	49-93-4101	49-94-4101	Extra-Long Life	13,000 RPM

TYPE 27 ALUMINUM OXIDE SEMI-FLEX DISC FOR METAL

4 1/2x1/8x7/8	—	49-93-4110	49-94-4110	Med. Finishing	13,000 RPM
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TYPE 27 COTTON REINFORCED DISCS FOR NON-FERROUS METALS

4 1/2x1/8x7/8	—	49-94-3410	—	Non-Ferrous	13,000 RPM
4 1/2x1/4x7/8	—	49-94-3400	—	Non-Ferrous	13,000 RPM

TYPE 1 ALUMINUM OXIDE DISCS FOR METAL

4 1/2x3/32x7/8	49-93-4304	—	49-94-4304	Metal Cutting	13,000 RPM
5x3/32x7/8	49-93-4303	—	49-94-4303	Metal Cutting	12,000 RPM

SIZE/ DESCRIPTION	10 BOX	SINGLE	APPLICATION	MAX SPEED
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TYPE 27 ALUMINUM OXIDE DISCS

7x1/4x5/8-11	49-93-3108	49-94-3108	Stainless	8,600 RPM
7x1/8x5/8-11	49-93-3109	49-94-3109	Pipeline Welds	8,600 RPM
7x1/4x7/8	49-93-3113	49-94-3113	Stainless	8,600 RPM
7x1/4x5/8-11	49-93-3114	49-94-3114	Fast Cut	8,600 RPM
7x1/4x7/8	49-93-3173	49-94-3173	Long Life	8,600 RPM
7x1/4x5/8-11	49-93-3174	49-94-3174	Long Life	8,600 RPM
9x1/4x7/8	49-93-3233	49-94-3233	Stainless	6,800 RPM
9x1/8x5/8-11	49-93-3234	49-94-3234	Pipeline Welds	6,800 RPM
9x1/4x5/8-11	49-93-3235	49-94-3235	Fast Cut	6,800 RPM
9x1/4x5/8-11	49-93-3236	49-94-3236	Stainless	6,800 RPM
9x1/4x7/8	49-93-3288	49-94-3288	Long Life	6,800 RPM
9x1/4x5/8-11	49-93-3289	49-94-3289	Long Life	6,800 RPM

TYPE 27 SILICON CARBIDE DISCS FOR MASONRY, CONCRETE AND STONE

7x1/4x5/8-11	49-93-3132	49-94-3132	Fast Cut	8,600 RPM
9x1/4x5/8-11	49-93-3252	49-94-3252	Fast Cut	6,800 RPM

TYPE 27 ZIRCONIUM GRAIN DISCS FOR METAL

7x1/8x5/8-11	49-93-4102	49-94-4102	Pipeline Welds	8,600 RPM
7x1/4x5/8-11	49-93-4103	49-94-4103	Extra-Long Life	8,600 RPM
9x1/8x5/8-11	49-93-4104	49-94-4104	Pipeline Welds	6,800 RPM
9x1/4x5/8-11	49-93-4105	49-94-4105	Extra-Long Life	6,800 RPM

TYPE 27 ALUMINUM OXIDE SEMI-FLEX DISC FOR METAL

7x1/8x5/8-11	49-93-4119	49-94-4119	Med. Finishing	8,600 RPM
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TYPE 29 ALUMINUM OXIDE SEMI-FLEX DISC FOR METAL

7x1/8x5/8-11	49-93-4116	49-94-4116	Medium	8,600 RPM
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HEAVY-DUTY GRINDER ACCESSORIES

FOR USE WITH MODELS: 6080-20, 6081-20, 6082-20, 6086-20, 6088-20, 6089-20

GUARDS, 7" DIAMETER AND 9" DIAMETER



**TYPE 27 GUARDS FOR TYPE 27
WHEELS WITHOUT THREADED HUBS***

- 49-12-0010 7" type 27 guard
- 49-12-0020 9" type 27 guard
- 43-34-0825 Hub Adapter Flange
- 49-05-0051 Disc Nut



**TYPE 27 GUARDS FOR TYPE 27
WHEELS WITH THREADED HUBS***

- 45-88-8466 Nylon Washer
- 49-12-0010 7" type 27 guard
- 49-12-0020 9" type 27 guard



**TYPE 11 GUARDS FOR TYPE 11
CUP GRINDING WHEEL**

- 49-12-0065 4" type 11 guard
- 49-12-0075 5" type 11 guard
- 43-34-0840 Flange
- 45-88-8465 Nylon Washer



**TYPE 28 GUARDS FOR TYPE 28
WHEELS WITH THREADED HUBS**

- 45-88-8466 Nylon Washer
- 49-12-0015 7" type 28 guard
- 49-12-0025 9" type 28 guard



**TYPE 1 GUARDS FOR TYPE 1 STRAIGHT
GRINDING WHEEL OR DIAMOND BLADES**

- 49-12-0030 7" type 1 guard
- 49-12-0040 9" type 1 guard
- 43-34-0835 Inner Flange
- 49-05-0105 Flange Nut



*Can be used in conjunction with type 29 grinding wheels

GUARDS, 4-1/2" DIAMETER AND 5" DIAMETER



GUARDS – FOR TYPE 27 DISCS – NO TOOLS REQUIRED TO CHANGE/ADJUST GUARD

- 49-12-0365** For all 4-1/2" Magnum® and 4-1/2" Super Magnum® models. Also for 6140 and 6145 models – serial number "E" and above.
- 49-12-0366** For all 5" Magnum® and 5" Super Magnum® models. Also for 6141 model – serial number "E" and above.



GUARDS – FOR TYPE 1 DISCS

- For all Magnum, Super Magnum, 6140, 6145 and 6141 models.
- 49-12-0361** 4-1/2" Guard.
- 49-12-0362** 5" Guard.



GUARD FOR TYPE 27 DISCS - SINGLE SCREW MOUNT

- 49-12-0320** 4-1/2" Guard for 6140 and 6145 models – serial numbers "A" thru "D".
- 49-12-0330** 5" Guard for 6141 model – serial numbers "A" thru "D".

INNER FLANGE for all guards

- 49-05-0041** For all 4-1/2" and 5" models.

FLANGE NUTS for all guards

- 49-05-0050** For all 4-1/2" and 5" models with a 1/2" - 13 spindle.
- 49-05-0051** For all 4-1/2" and 5" models with a 5/8" - 11 spindle.

GUARDS, 7" DIAMETER AND 9" DIAMETER



GUARD SETUP FOR TYPE 27 WHEELS WITHOUT THREADED HUB

- 49-12-0355** 7" Type 27 Guard-Use on Models: 6072, 6078, 6065-6, 6066-6, 6096, 6067-6, 6068-6, 6098.
- 49-12-0345** 9" Type 27 Guard-Use on Models: 6072, 6078, 6065, 6066, 6096, 6067, 6068, 6098.
- 49-05-0060** Flange.
- 45-88-8465** Nylon Washer.
- 48-03-1000** Hub adapter. For use with depressed center wheels with 7/8" diameter hole.
- 49-40-0380** Disc nut for hub adapter.

7"/9" WHEEL GUARDS FOR TYPE 27 WHEELS FOR PREVIOUS GRINDER MODELS

- 49-12-0085** 7" Wheel Guard-Use on Models: 6020, 6024, 6032, 6036, 6054, 6058, 6068, 6084, 6089, 6090.
- 49-12-0095** 9" Wheel Guard-Use on Models: 6052, 6056, 6060, 6064, 6082, 6085, 6086, 6102, 6104, 6106, 6108.



GUARD SETUP FOR TYPE 27 AND TYPE 28 WHEELS WITH THREADED HUB

- 49-12-0355** 7" Type 27 Guard.
- 49-12-0345** 9" Type 27 Guard.
- 49-12-0100** 7" Type 28 Guard.
- 49-12-0110** 9" Type 28 Guard.
- 49-05-0060** Flange.
- 45-88-8465** Nylon Washer. Use on Models: 6072, 6078, 6065-6, 6066-6, 6096, 6067-6, 6068-6, 6098.

§ MILWAUKEE recommends Grinding Wheels be used with nylon washer No. 45-88-8465 and flange No. 49-05-0060.



ADJUSTABLE SKIRT GUARD FOR TYPE 11 ARMOR CUP AND FLARED CUP GRINDING WHEELS

- 49-12-0062** For 4" Cup Wheel Guard, Flange Included.
- 49-12-0072** For 5" Cup Wheel Guard, Flange Included. Use on Models: 6072, 6078, 6065-6, 6066-6, 6096, 6067-6, 6068-6, 6098, 6022, 6062, 6082, 6084, 6086, 6088, 6089, 6090, 6102, 6104.
- 45-88-8465** Nylon Washer.



HEAVY-DUTY GRINDER ACCESSORIES

TYPE 11 GRINDING CUPS

TYPE 11 FLARED CUP GRINDING WHEELS

Aluminum oxide for all general purpose metal grinding. Resinoid bonded. These wheels are fitted with 5/8"-11 threaded bushing molded integrally ready for mounting.

• For use on 13 and 15 amp Sanders. Skirt guard as well as flange No. 49-05-0030 and nylon washer No. 45-88-8465 must be used for proper installation of the accessory.

TYPE 11 ALUMINUM OXIDE FOR METAL

CAT. NO.	GRIT	DIA.	THREAD	DESCRIPTION	MAX. SPEED
49-93-5140	16	4"	5/8"-11	For 7" Grinders.	9000 RPM
49-93-5220	16	5"	5/8"-11	For 9" Grinders.	7200 RPM

FLANGE AND NYLON WASHER FOR PROPER INSTALLATION

49-05-0060	Flange
45-88-8465	Nylon Washer

TYPE 11 ARMOR CUP GRINDING WHEELS

Resinoid bonded. Special fine grit outer rim wears slowly. Prevents rounded edges for high performance without distortion. Eliminates waste by maintaining a flat grinding surface even under the toughest conditions. Provides longer usable cup life. 5/8"-11 threaded bushing integrally molded for easy mounting.

TYPE 11 SILICON CARBIDE ARMOR CUP FOR STONE OR CONCRETE

CAT. NO.	GRIT	DIA.	THREAD	DESCRIPTION	MAX. SPEED
49-93-5260	16/24	4"	5/8"-11	For 7" Grinders.	9000 RPM
49-93-5280	16/24	5"	5/8"-11	For 9" Grinders.	7200 RPM

TYPE 11 ALUMINUM OXIDE ARMOR CUP FOR METAL

CAT. NO.	GRIT	DIA.	THREAD	DESCRIPTION	MAX. SPEED
49-93-5250	16/24	4"	5/8"-11	For 7" Grinders.	9000 RPM
49-93-5270	16/24	5"	5/8"-11	For 9" Grinders.	7200 RPM



SURFACE CONDITIONING DISCS

SURFACE CONDITIONING DISCS

The latest innovation in abrasive products. Tough, non-woven nylon discs ideally suited for surface conditioning metal, wood or plastic.

Deburr, weld blend, clean or finish web-like construction readily conforms to surface shapes and provides uniform contact even on irregular surfaces.

Open, non-woven construction resists disc loading. Provides exceptional cooling characteristics, helping to eliminate burning or discoloration of the work piece.

Various grits for progressively smoother surface finishing—see chart below.

Scrim backed discs enables fast and easy disc changes with hook and loop backing pads.



HOOK & LOOP BACKING PADS

CATALOG NO.	SIZE	ARBOR/THD.	MAX. SPEED
49-36-3475	4-1/2"	5/8"-11	12,000 RPM
49-36-3480	5"	5/8"-11	12,000 RPM
49-36-3485	7"	5/8"-11	6,500 RPM

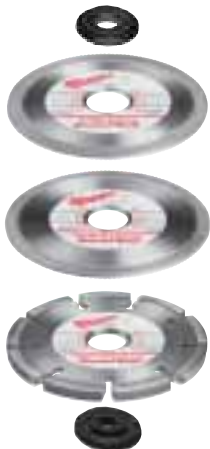
SURFACE CONDITIONING DISCS

QTY. 3 CATALOG NO.	QTY. 10 CATALOG NO.	DIAMETER	GRIT/COLOR	MAX. SPEED RPM
48-80-4000	48-80-4024	4 1/2"	very fine/blue	12,000
48-80-4002	48-80-4026	4 1/2"	medium/maroon	12,000
48-80-4004	48-80-4028	4 1/2"	coarse/brown	12,000
48-80-4006	-	4 1/2"	assortment*	12,000
48-80-4008	48-80-4030	5"	very fine/blue	12,000
48-80-4010	48-80-4032	5"	medium/maroon	12,000
48-80-4012	48-80-4034	5"	coarse/brown	12,000
48-80-4014	-	5"	assortment*	12,000
48-80-4016	48-80-4036	7"	very fine/blue	6,500
48-80-4018	48-80-4038	7"	medium/maroon	6,500
48-80-4020	48-80-4040	7"	coarse/brown	6,500
48-80-4022	-	7"	assortment*	6,500

*Includes one each of very fine, medium and coarse.

COLOR	GRIT	APPLICATION
BLUE	Very fine	Final finishing—lustre aluminum and stainless.
MAROON	Medium	Low stock removal—weld blending, cleaning, light oxidation removal.
BROWN	Coarse	Moderate stock removal—deburring, edging, rust/scale removal, roughing texture.

DRY CUTTING DIAMOND BLADES



INNER FLANGE

49-05-0041 For 4-1/2"-5" Grinders. Supplied with 4" and 4-1/2" Diamond Blades. 7/8" Arbor Hole; 20 mm, 5/8" Bushings supplied.

4" DIA. CONTINUOUS RIM

49-93-8005 Fits 7/8", 20 MM and 5/8" Arbors. Max. Speed 12,000 RPM.

4-1/2" DIA. CONTINUOUS RIM

49-93-8010 Fits 7/8", 20 MM and 5/8" Arbors. Max. Speed 12,000 RPM.

4-1/2" DIA. x 1/4" SEGMENTED

49-93-8015 Fits 7/8", 20 MM and 5/8" Arbors. Max. Speed 12,000 RPM.

FLANGE NUTS

49-05-0050 For 1/2"-13 Spindles.

49-05-0051 For 5/8"-11 Spindles.

NOTE: Diamond cutting blades must be used with type 1 guard. Ref. 49-12-0361



HEAVY-DUTY 7" AND 9" POLISHERS

5460-6 7"/9"

• FOR USE WITH STANDARD LIQUID POLISHES



5540 7"

• FOR USE WITH HIGH SPEED STANDARD LIQUID MACHINE POLISHES



5455 7"/9"

• FOR USE WITH STANDARD LIQUID POLISHES
• SINGLE SPEED



- Spindle Lock For Convenient Accessory Change
- Self-Stopping Long Life Brush System
- Powerful MILWAUKEE Built 11.0 Amp Motor
- Helical Gearing
- All Ball and Roller Bearings
- Aluminum Gear Case with Protective Urethane Bumper

5460-6 AND 5540 ADDITIONAL FEATURES:

- Dial Speed Control
Exclusive MILWAUKEE electronic speed control in powerful 11.0 amp polishers – ideal for clearcoat finishes.
- 10' 2-Wire Quik-Lok® Cord Set Included
Cord No. 48-76-5010. Quick detachment from tool for tangle-free carrying and storage. Instant field repair.

SPECIFICATIONS

CATALOG NUMBER	PAD DIA.	VOLTS	AMPS	SPEED (NO LOAD) RPM	SPINDLE THREAD SIZE	LENGTH ◇	NET WGT. LBS.	SHIP. WGT. LBS.
5460-6	7"/9"	120 AC	11.0	0-1750	5/8"-11	16-1/2"	8.8	12.0
5540	7"	120 AC	11.0	0-2800	5/8"-11	16-1/2"	8.8	12.0
5455	7"/9"	120 AC/DC	11.0	1750	5/8"-11	16-1/2"	8.8	11.8

STANDARD EQUIPMENT: FOR 5460-6 AND 5540 – Includes side handle, one 7" rubber backing pad, 10' 2-wire Quik-Lok® cord, disc nut and nylon washer. **FOR 5455** – Includes side handle, one 7" rubber backing pad, disc nut and nylon washer.

◇ Overall length of tool only—not including pad

ACCESSORIES

Fast, convenient hook and loop attachment – No disc nut necessary. Change pads in seconds. Foam pads are ideal for use with 5460-6 and 5540 speed control polishers on low speed for clearcoat finishes.

Traditional elastic hem and tie attachment, these pads and bonnets require the appropriate molded rubber-backing pad. (49-36-2500 or 49-36-2200)



HOOK AND LOOP FOAM PADS



HOOK AND LOOP BLENDED WOOL PADS



HOOK AND LOOP BACKING PAD
49-36-2150
(Includes Centering Tool)



CENTERING TOOL
49-67-0130
(When Purchased Separately)



BLENDED WOOL PADS



4-PLY TWISTED 100% WOOL



LAMBSWOOL BONNETS



MOLDED RUBBER BACKING PAD

DISC NUT 49-40-0390
Standard equipment.

7" DIAMETER
49-36-2500

NYLON WASHER 45-88-8465
For easier removal. (Standard equipment.)

8-1/2" DIAMETER
49-36-2200

HOOK AND LOOP FOAM PADS AND BLENDED WOOL PADS

Foam pads are designed specifically for clearcoat finishes. Run cooler and are less likely to create swirl marks. (Not recommended for inexperienced operators). Blended wool pads run cooler than 100% wool and add a margin of safety when used on clearcoat finishes.

CATALOG NUMBER	DESCRIPTION	DIAMETER	DEPTH OF PILE	APPLICATION
49-36-0650	FOAM PAD	8"	2"	High gloss finish on clearcoat
49-36-1550	FOAM PAD	8"	2"	Compounding deep cleaning on clearcoat
49-36-0600	BLENDED WOOL PAD	7-1/2"	1-1/2"	High gloss finish on clearcoat
49-36-1500	4-PLY TWISTED 100% WOOL PAD	7-1/2"	1-1/2"	Compounding deep cleaning on non-clear or clearcoat

WOOL AND BLENDED WOOL PADS / BLENDED WOOL BONNETS

100% woolen yarn polishing pads recommended for compounding, blending and polishing. Blended wool pads and bonnets recommended for high gloss finishing.

CATALOG NUMBER	DESCRIPTION	DIAMETER	DEPTH OF PILE	APPLICATION
49-36-0500	BLENDED WOOL PAD	7-1/2"	1-1/2"	High gloss finish on clearcoat
49-36-0700	BLENDED WOOL PAD	9"	1-1/2"	High gloss finish on clearcoat
49-36-1450	4-PLY TWISTED 100% WOOL PAD	7-1/2"	1-1/2"	Compounding deep cleaning
49-36-1455	4-PLY TWISTED 100% WOOL PAD	7-1/2"	2"	Compounding deep cleaning
49-36-1600	4-PLY TWISTED 100% WOOL PAD	9"	1-1/2"	Compounding deep cleaning
48-48-0500	LAMBSWOOL BONNET	7"	1-1/2"	High gloss finish on clearcoat
48-48-1000	LAMBSWOOL BONNET	9"	1-1/2"	High gloss finish on clearcoat



HEAVY-DUTY STRAIGHT GRINDERS AND ACCESSORIES



5211
 • 11.0 AMP, 14,500 RPM
 • 3" DIAMETER



5223
 • 12.0 AMP, 7000 RPM
 • 5" DIAMETER



5243
 • 15.0 AMP, 5500 RPM
 • 6" DIAMETER



- Heavy-Duty MILWAUKEE Built Motors
- 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

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC-DC	AMPS	WHEEL SIZE	HOLE DIA.	NO LOAD RPM	SPINDLE THREAD SIZE	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
5211	120	11.0	1/2" x 3"	3/8"	14,500	3/8"-24	21"	7.8	11.3
5223 ♦	120	12.0	5"	5/8"	7000	5/8"-11	20"	10.3	11.8
5243	120	15.0	6"	5/8"	5500	5/8"-11	22"	16.5	20.8

♦ Not available in Canada.

STANDARD EQUIPMENT FOR 5211 – Includes grinding wheel, wheel guard with hinged face plate and two wrenches. **FOR 5223** – Includes grinding wheel, wheel guard and two wrenches. **FOR 5243** – Includes grinding wheel, adjustable steel wheel guard with hinged face plate and two wrenches.

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.

ACCESSORIES



KNOT WIRE BRUSHES—CARBON STEEL

CATALOG NUMBER	DIA.	HOLE DIA.	WIRE SIZE	MAX. WHEEL SPEED
48-52-2300	3"	3/8"-1/2"	.014	25,000
48-52-2310	5"	5/8"	.014	8,000
48-52-2510	6"	1/2"-5/8"	.014	8,000



ALUMINUM OXIDE RESINOID BOND GRINDING WHEELS

CATALOG NUMBER	GRIT	SIZE	HOLE DIA.	MAX. WHEEL SPEED (RPM)
49-92-2240	24	5" x 1"	5/8"	7,260
49-92-3260	24	6" x 1"	5/8"	6,000
49-92-0500	36	3" x 1/2"	3/8"	18,000
49-92-0510	60	3" x 1/2"	3/8"	18,000
49-92-0200*	60	2-1/2" x 1/2"	3/8"	21,000
49-92-0250*	36	2-1/2" x 1/2"	3/8"	21,000

*For previous model 5210

WHEEL GUARD ASSEMBLIES

49-12-0280	3"	For grinder number 5211.
49-12-0290	5"	For grinder number 5223.
49-12-0160	6"	For grinder number 5243.



CLOTH BUFFING WHEELS

1/4" Width • 4 per package

CATALOG NUMBER	SIZE	HOLE DIA.
49-93-0071	5"	5/8"
49-93-0091	6"	5/8"

WRENCHES

49-96-6600	Spanner wrench for No. 5223
49-96-4050	9/16" Wrench for Nos. 5210, 5211
49-96-4075	1" Wrench for Nos. 5210, 5211
49-96-4072	1-1/16" Wrench for Nos. 5223, 5243
49-96-7230	Spanner wrench for No. 5243

GREASE – ONE POUND CAN

49-08-4140 Type "G" grease.



HEAVY-DUTY DIE GRINDERS AND ACCESSORIES

5192

- 4.5 AMPS, 21,000 RPM
- ON-OFF TOGGLE SWITCH



5194

- 4.5 AMPS, 21,000 RPM
- ON-OFF PADDLE SWITCH



5196

- 11.0 AMPS, 14,500 RPM



- Heavy-Duty MILWAUKEE Built Motors
- Heavy-Duty Aluminum Gear Cases
- Strong, Lightweight, Glass Reinforced Nylon Motor Housings And Handles
- High Efficiency Fans
- Long Life Brush System
- All Ball And Roller Bearings

5192 AND 5194 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

SPECIFICATIONS

CAT. NO.	VOLTS AC-DC	AMPS	COLLET DIA.	REINFORCED GRINDING WHEEL	MAX. CAPACITY ■ MOUNTED WHEELS AND POINTS	NO LOAD RPM	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
5192	120	4.5	1/8◆ -1/4*	2"	1-5/8"	21,000	13-1/2"	4.5	4.8
5194	120	4.5	1/8◆ -1/4*	2"	1-5/8"	21,000	13-1/2"	4.5	4.8
5196	120	11.0	1/8◆ -1/4*	2"	2"	14,500	21-1/2"	7.8	10.5

■ 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.

ACCESSORIES

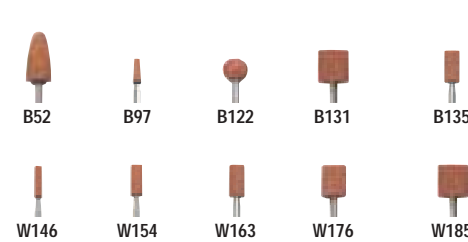
FOR DIE GRINDER MODELS 5192 AND 5194

- 48-66-0975* 1/4" Collet
 - 49-96-4090* 11/16" Open end wrench
 - 49-96-4040* 1/2" Open end wrench
 - 48-66-0965 1/8" Collet
 - 48-68-0031 Collet nut – replacement
 - 49-08-4140 Type "G" grease, 1 lb. can
- *Included as standard equipment

FOR DIE GRINDER MODEL 5196

- 48-66-0975* 1/4" Collet
 - 49-96-4090* 11/16" Open end wrench
 - 49-96-4040* 1/2" Open end wrench
 - 49-96-4075* 1" Open end wrench
 - 48-66-0965 1/8" Collet
 - 48-68-0031 Collet nut – replacement
 - 48-68-0040 Collet body – replacement
 - 49-08-4140 Type "G" grease, 1 lb. can
- *Included as standard equipment

1/8" SHANK MOUNTED POINTS *



CATALOG NUMBER	SHAPE	PKG. QTY.	CATALOG NUMBER	SHAPE	PKG. QTY.
49-95-0111	B52	5	49-95-0112	B52	25
49-95-0121	B97	5	49-95-0123	B97	25
49-95-0131	B122	5	49-95-0133	B122	25
49-95-0141	B131	5	49-95-0143	B131	25
49-95-0151	B135	5	49-95-0153	B135	25
49-95-0161	W146	5	49-95-0163	W146	25
49-95-0171	W154	5	49-95-0173	W154	25
49-95-0181	W163	5	49-95-0183	W163	25
49-95-0191	W176	5	49-95-0193	W176	25
49-95-0201	W185	5	49-95-0203	W185	25
49-95-0008	ALL	50	– Merchandiser Included		

1/4" SHANK MOUNTED POINTS



CATALOG NUMBER	SHAPE	PKG. QTY.	CATALOG NUMBER	SHAPE	PKG. QTY.
49-95-0011	A1	5	49-95-0010	A1	25
49-95-0021	A3	5	49-95-0020	A3	25
49-95-0031	A11	5	49-95-0030	A11	25
49-95-0041	A38	5	49-95-0043	A38	25
49-95-0051	W205	5	49-95-0053	W205	25
49-95-0061	W218	5	49-95-0063	W218	25
49-95-0071	W220	5	49-95-0130	W220	25
49-95-0081	W222	5	49-95-0040	W222	25
49-95-0091	W236	5	49-95-0093	W236	25
49-95-0101	W242	5	49-95-0052	W242	25
49-95-0007	ALL	50	– Merchandiser Included		

* Requires the use of optional 1/8" collet accessory



HEAVY-DUTY SHEARS

6850
• 18 GAUGE



6851
• POWER UNIT



6815
• 14 GAUGE



6805
• 16 GAUGE



EXCLUSIVE 6850 and 6851 FEATURES

- Cuts Round Holes, Square Holes And Irregular Holes
- 360° Swivel Head
- Cuts Up To 15' Per Minute
- Continuous Metal Curl
- Head Assembly Designed For Easy Servicing
- Trigger Speed Control
- Aluminum Gear Case And Diaphragm
- Powerful MILWAUKEE Built Motor
- High Strength Impact Resistant Handle

6805 and 6815 FEATURES

- High Speed Accurate Cutting Mechanism
- Simple Blade 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



EXCLUSIVE LOWER SHEAR BLADE
Blade is easily and securely adjustable. Sheared metal rides smoothly over and under unique steel yoke providing high cutting efficiency and smooth edge.



CLEAR UNOBSTRUCTED VISIBILITY

SPECIFICATIONS

CATALOG NUMBER	CAPACITY STEEL	CAPACITY STAINLESS	BLADE WIDTH	VOLTS AC ONLY	AMPS	SPINDLE SPEED RPM/SPM	MINIMUM CUTTING RADIUS	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6850	18 Ga.	20 Ga.	.20"	120	4.0	0-2500	7"	—	4.0	4.5
6851	Power Unit Only. For use with 48-08-0500		—	120	4.0	0-2500	3/8" x 24 Spindle	—	—	3.5

CATALOG NUMBER	CAPACITY STEEL	CAPACITY STAINLESS	VOLTS AC/DC	AMPS	STROKES PER MINUTE	MINIMUM RADIUS RLEFT	MINIMUM RADIUS RIGHT	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6815	14 Ga.	16 Ga.	20	5.0	4000	3/4"	1"	10-1/4"	5.0	6.0
6805	16 Ga.	18 Ga.	120	4.0	4000	1/2"	1"	10-1/4"	5.0	6.3

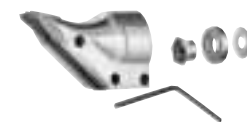
STANDARD EQUIPMENT FOR 6815 AND 6805 – Includes Allen Wrenches, Feeler Gauge, Upper Blade and Lower Blade.

GAUGE CHART

	Steel Sheets	Aluminum
10 Ga.	.135	.102
12 Ga.	.105	.081
14 Ga.	.075	.064
16 Ga.	.060	.051
18 Ga.	.048	.040
20 Ga.	.036	.032
22 Ga.	.030	.025

ACCESSORIES

CATALOG NUMBER	WRENCH	14 GAUGE SHEAR BLADE SET	16 AND 18 GAUGE SHEAR BLADE SET	FEELER GAUGE	TYPE "G" GREASE	TYPE "E" GREASE
6850	—	—	—	—	—	49-08-4122
6851	—	—	—	—	—	49-08-4122
6815	5/64" Allen Wrench - 49-96-0040 9/64" Allen Wrench - 49-96-0065	48-44-0112	—	49-11-0080	49-08-4140	—
6805	5/64" Allen Wrench - 49-96-0040 9/64" Allen Wrench - 49-96-0065	—	48-44-0122	49-11-0080	49-08-4140	—



REPLACEMENT SWIVEL SHEAR HEAD ASSEMBLY
48-08-0500

CATALOG NUMBER	CENTER BLADE	LEFT BLADE	RIGHT BLADE	WRENCH
6850	48-44-0150	48-44-0160	48-44-0170	5/32" Hex Socket Wrench - 49-96-0070



HEAVY-DUTY NIBBLERS

6890

- 16 GAUGE
- 7' PER MINUTE



INDEXABLE HEAD
FOR REACHING
"HARD TO GET" AREAS



EXCLUSIVE 6890 FEATURES

- Indexing 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 7/8"
- AC-DC Paddle Switch For One-Handed Operation

EXCLUSIVE 6880 FEATURES

- Cutting Guide On Front For Pattern Work
- Starting Hole Required 1-2/3"
- AC-DC Toggle Switch For Two-Handed Operation

6880

- 10 GAUGE
- 8-3/4' PER MINUTE



SPECIFICATIONS

CATALOG NUMBER	CAPACITY STEEL	CAPACITY STAINLESS	PUNCH WIDTH	VOLTS	AMPS	STROKES PER MINUTE	MINIMUM CUTTING RADIUS	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
6890	16 Ga.	18 Ga.	.20"	120 AC-DC	4.0	1900	1-3/4"	11-1/4"	4.8	6.3
6880	10 Ga.	12 Ga.	.24"	120 AC-DC	4.0	1000	2-1/2"	12-1/4"	7.8	9.3

STANDARD EQUIPMENT FOR 6890 – Includes Punch, Die, Allen Wrench and Plate Wrench. FOR 6880 – Includes Punch, Die, Allen Wrench and Side Handle.

ACCESSORIES

Catalog Number	Replacement Punch	Replacement Die	Wrench	Type "G" Grease
6890	48-44-0260	48-44-0270	Plate Wrench - 49-96-4725 2.5mm Wrench - 49-96-0330	49-08-4140
6880	48-44-0265	48-44-0275	Allen Wrench - 49-96-0350	49-08-4140

GAUGE CHART

	Steel Sheets	Aluminum
10 Ga.	.135	.102
12 Ga.	.105	.081
14 Ga.	.075	.064
16 Ga.	.060	.051
18 Ga.	.048	.040
20 Ga.	.036	.032
22 Ga.	.030	.025



HEAVY-DUTY STEEL TANK VACUUM CLEANERS



8911



8912



8925

- STAINLESS STEEL
- BOTTOM DRAIN VALVE FOR EASY WATER REMOVAL



- Wet/Dry Pickup Capabilities
- Positive Water Shut-Off
On wet/dry machines protects motor from direct exposure to water.
- Heavy-Duty Filter System
For the roughest coarse materials to the finest dust.
- Use As Blower
Switch hose from intake to exhaust, for cleaning inaccessible areas.



8935



8950



VACUUM CLEANER DOLLY
49-90-1150
For use with Model 8950 only.



8955



8965



SPECIFICATIONS

CATALOG NUMBER	FOR MATERIALS	RECOV. CAP. GAL.	BU.	TANK	TANK DIMENSIONS	VOLTS	AMPS	MOTOR TYPE	MAX AIR FLOW CU. FT./MIN.	SEALED SUCTION IN WATER	OVERALL DIMENSIONS WIDTH	HEIGHT	NET WGT. LBS.	SHIP. WGT. LBS.
8911	WET/DRY	11	1-1/2	STEEL	16" DIA.	120	7.5	2-STAGE BYPASS	94	84"	22"	37"	56.0	66.0
8912	WET/DRY	11	1-1/2	STEEL	16" DIA.	120	9.2	3-STAGE BYPASS	92	134"	22"	37"	60.0	70.0
8925	WET/DRY	15	2	STAINLESS	16" DIA.	120	9.2	3-STAGE BYPASS	92	134"	22"	41"	63.0	74.0
8935	WET/DRY	6	3/4	STEEL	14" DIA.	120	7.0	2-STAGE BYPASS	94	84"	17"	28"	35.0	45.0
8950	WET/DRY	8	7/8	STEEL	14" DIA.	120 AC, 60 HZ	8.0	1-STAGE BYPASS	143	45"	16-3/4"	22-1/2"	18.0	25.0
8955	WET/DRY	10	1-1/8	STEEL	14" DIA.	120 AC, 60 HZ	8.0	1-STAGE BYPASS	143	45"	19-1/2"	38-1/2"	32.0	44.0
8965	WET/DRY	10	1-1/8	STEEL	14" DIA.	120	6.2	1-STAGE BYPASS	133	49"	19-1/2"	35-5/8"	34.0	45.0

STANDARD EQUIPMENT: All models are equipped with 1-1/2" O.D. hose connections, cord with 3-prong grounded plug, 3 hold-down clamps and 3 or 4-wheel caddy (except no. 8950) with non-marring wheels. **FOR 8911, 8912 and 8925** – Three paper filter bags, cloth filter, wire frame assembly, wet pick-up conversion pan, swivel connector and store-all tool bag. **FOR 8935** – Three paper filter bags, wet pick-up pan, cloth filter, wire frame assembly, swivel connector and wire hose carrier. **FOR 8950** – 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 and filter cartridge. **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. **FOR 8965** – 7' x 1-1/2" I.D. vinyl hose, hose adapter, cloth filter assembly, foam filter sleeve, 3 wheel dolly and three paper filter bags.



HEAVY-DUTY POLY TANK VACUUM CLEANERS

WET/DRY PICKUP CAPABILITIES

8926 AND 8927 FEATURES

- **Front Drain Valve With Hose Connector**
- **Polyethylene Tank**
High impact 1/4" wall construction. Resists rust and corrosive liquids.
- **Use As Blower**
Switch hose from intake to exhaust for cleaning inaccessible areas.
- **Heavy-Duty Filter System**
Large, totally enclosed filter bags provides larger filtration area and convenient disposal.

8926 EXCLUSIVE FEATURE

- **3-Stage Motor**
Produces 92 CFM, 134" waterlift.

8927 EXCLUSIVE FEATURES

- **Built-In Sensor Relay**
Activates vacuum when power is turned on. Preset time delay built-in to handle current spikes.
- **Three Position Switch**
On (Vacuum), Auto (Power/Tool Vacuum) and Off (Power/Tool Vacuum).
- **Built-In Power Outlet**
Accepts 3-prong plug.

8936-20 AND 8938-20 FEATURES

- **Easily Maneuverable**
- **High Efficiency Filtration System**
- **Durable Polypropylene Tank**
- **Handy Tool Caddy**
- **Ideal Applications**
Manufacturing Plants, Utility Plants, Schools, Construction Sites, Service Stations, Warehouses, Shopping Malls, Hotels and many more.

8936-20 EXCLUSIVE FEATURES

- **3-Position Switch—On/Off/On Demand**
- **Built-In Sensor Relay—Activates Vacuum When Power Is Turned On**
- **8.0 Amp Outlet Accepts 3-Prong Plug**
- **12.0 Amp Circuit Breaker**

8938-20 EXCLUSIVE FEATURES

- **Rear Drain Plug**
- **35' Cord Set**

8934-6 FEATURES

- **Lightweight – 5.0 lbs.**
- **High Impact Thermoplastic**
- **Built-In Rear Wheels**
- **Convenient Carrying Handle**
- **Large Disposable Paper Filter Bag**
- **18' Cord**
- **6.2 Amp Motor**

8926



8927



8936-20



8938-20



8934-6

PRO-VAC



SPECIFICATIONS

CATALOG NUMBER	FOR MATERIALS	RECOV. GAL.	CAP. BU.	TANK	TANK DIMENSIONS	VOLTS	AMPS	MOTOR TYPE	MAX. AIR FLOW CU. FT./MIN.	SEALED SUCTION IN WATER	OVERALL DIMENSIONS WIDTH	HEIGHT	NET WGT. LBS.	SHIP. WGT. LBS.
8926	WET/DRY	21	2-1/4	POLY	16" DIA.	120	9.2	3-STAGE BYPASS	92	134"	21"	40"	62.0	82.0
8927	WET/DRY	21	2-1/4	POLY	16" DIA.	120	7.0	2-STAGE BYPASS	94	84"	21"	40"	56.0	76.0
8936-20	WET/DRY	7-1/2	7/8	POLY	14" DIA.	120	9.5	1-STAGE BYPASS	159	59"	14-5/8"	20-3/4"	17.0	20.0
8938-20	WET/DRY	9	1	POLY	15-1/2" DIA.	120	7.4	2-STAGE BYPASS	102	84"	16-1/8"	33-1/2"	34.0	37.0
8934-6	DRY ONLY	1-1/2 QTS.	–	THERMOPLASTIC	N/A	120	6.2	STRAIGHT THRU	80	–	6-1/4"	14-1/4"	5.0	7.0

STANDARD EQUIPMENT: FOR 8926 AND 8927 – Five Paper Filter Bags, Cloth Filter, Wire Frame Assembly, Wet Pick-Up Conversion Pan, Swivel Connector and Store-All Tool Pouch. FOR 8936-20 – 7' x 1-1/2" Hose, 1-1/2" Conversion Unit, Dolly Caster Assembly, Tool Basket, Cartridge Filter and Filter Bag. FOR 8938-20 – 7' x 1-1/2" Hose, 1-1/2" Conversion Unit, Vac Dolly, Tool Basket, Cartridge Filter and Filter Bag. FOR 8934-6 – 3' x 1-1/4" plastic hose, utility nozzle, crevice tool and mounting bracket.



HEAVY-DUTY VACUUM CLEANER ACCESSORIES

MOTOR HEAD AND DRUM ADAPTER ASSEMBLY, VACUUM HOSES,
CONNECTORS, KITS AND ACCESSORIES



1 MOTOR HEAD ONLY 8945

More powerful 3-Stage motor head adapts to all 16" diameter, 11 gallon units and larger for extra-duty applications. Same as furnished with models 8912, 8925 and 8926. Maximum air flow is 92 Cu. Ft./Min. with sealed suction water lift of 134". Unit comes with a 30' cord and requires the use of 16" diameter conversion pan for wet pickup. Wire frame filter cage, cloth filter, gasket assembly and 16" dacron filter bag required for dry pickup. Order these and all accessories separately. Unit includes a swivel end connector, No. 49-90-0150. Net weight 19.0 lbs., Shipping weight 21.0 lbs.

2 DRUM ADAPTER 49-90-1590

Fits your 55 gallon drum. Gasket secures tightly to drum when vacuum is in operation. Adaptable to Motor Head No. 8945 and those on Nos. 8911, 8912, 8925, 8926, 8927 and previous model 8916. Use 16" diameter accessories. Net weight 10.0 lbs., Shipping weight 11.0 lbs.

3 DOLLY 49-90-1100

For 55 gallon drum. Sturdy steel construction with 4 wheels and long hinged handle. Drum easily tips off or on. Net weight 43.0 lbs., Shipping weight 45.0 lbs.



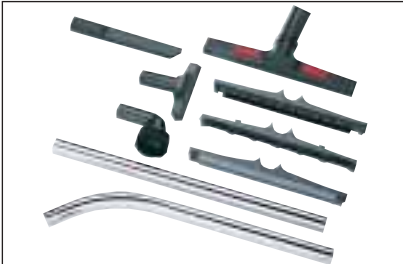
WET AND DRY CLEANING KIT

49-90-1670 – A complete kit of accessories for the maintenance department. Kit consists of 1 of each of the following:
49-90-0060 10' hose
49-90-0550 major floor tool
49-90-0580 squeegee shoe
49-90-0400 15" crevice tool
49-90-0600 14" carpet insert
49-90-0740 utility nozzle
49-90-1000 double bend floor wand



FURNACE CLEANING KIT

49-90-1650 – All accessories needed for cleaning furnaces. Kit consists of 1 of each of the following: 49-90-0020, 10' hose; 49-90-0080, 6" metal hose; 49-90-0410, 27" crevice tool; 49-90-0460, rubber blower nozzle; 49-90-0740, utility nozzle.



VACUUM ACCESSORY KIT

49-90-1810 – Accessories for general cleanup applications. Kit consists of 1 of each of the following:
49-90-1865 wand
49-90-1770 crevice tool
49-90-1775 6" nozzle
49-90-1845 14" squeegee shoe
49-90-1850 14" rug shoe
49-90-1840 master nozzle
49-90-1860 3" round brush
49-90-1855 14" brush insert



AUTOMOTIVE KIT

49-90-1660 – A kit especially designed for automotive cleanup work. Kit consists of 1 of each of the following: 49-90-0060, 10' hose; 49-90-0400, 15" crevice tool; 49-90-0740, utility nozzle.



CANVAS HOSE 10'

49-90-0020 Canvas covered, wire reinforced, rubber lined vacuum hose, 1-1/2" I.D. Two straight molded cuff ends. Order swivel-end connector separately.



BLACK CANVAS HOSE 10'

49-90-0030 Canvas covered, wire reinforced, rubber lined vacuum hose. Strong, resilient, 1-1/2" I.D. with two straight molded cuff ends. Order swivel-end connector separately.

BLACK NEOPRENE HOSE

Neoprene lined, oil resistant, wire reinforced, 1-1/2" I.D. with two straight molded cuff ends. Order swivel-end connector separately.
49-90-0040 15' **49-90-0050** 25'



STEEL HOSE CONNECTOR

49-90-0195 Used to connect 1-1/2" hoses.



SWIVEL-END CONNECTOR

49-90-0150 Quick connect/disconnect feature for attaching hoses to MILWAUKEE vacuum cleaners, except Models 8950, 8955, 8936-20 and 8938-20. Fits into 1-1/2" I.D. hoses. Same as furnished with each unit.



HOSE ADAPTER

49-90-0155 Adapts 1-1/2" I.D. hose to Models 8936-20, 8938-20, 8950 and 8955. Same as furnished with each unit.



BLACK PLASTIC HOSE 10'

49-90-0110 1-1/4" I.D. Use with vacuum 8940-20.

REPLACEMENT PLASTIC HOSE (For model 8934-6)

49-90-0095 3' x 1-1/4" I.D.

49-90-0100 6' x 1-1/4" I.D.



WIRELESS VINYL HOSE

49-90-0090 7' **49-90-0070** 25'

49-90-0060 10'

Crushproof multi-flex hose with no wire reinforcement. 1-1/2" I.D. with two molded cuff ends. Order swivel-end connector or hose adapter separately.



METAL HOSE 6'

49-90-0080 For cleaning boiler tubes and furnaces. 1-1/4" O.D. fits into standard 1-1/2" I.D. hoses.



HOSE CARRIER

Ideal for neat, safe storage of vacuum hoses. Makes moving from one location to another easier.

49-90-0170 For Model 8935

49-90-0180 For Models 8911, 8912 and 8925



STORE-ALL TOOL POUCH

49-90-0250 For Models 8911, 8912 and 8925. Strong durable vinyl pouch...makes toting extra tools easy.

49-90-0295 For Models 8924, 8926 and 8927. Strong durable vinyl pouch...makes toting extra tools easy.



HEAVY-DUTY VACUUM CLEANER ACCESSORIES



DOUBLE BEND FLOOR WAND

49-90-1000 Built-in swivel connection adapts with compression fitting to the major floor tool 49-90-0550. Wand connects to 1-1/2" I.D. hose. Made of chrome plated steel.



MAJOR FLOOR TOOL

49-90-0550 Major floor tool with two "quick turn" thumb screws for quick tool changing. Accommodates interchangeable 14" inserts and replacements. Supplied with No. 49-90-0610 bumper. Attaches to 49-90-1000 wand.



14" REPLACEMENT BUMPER

49-90-0610 Attaches to major floor tool 49-90-0550.



14" BRUSH INSERT

49-90-0560 For rough floors, large wall and ceiling area. Attaches to major floor tool 49-90-0550.

49-90-0630 14" replacement brush strips (2).



14" SQUEEGEE INSERT

49-90-0580 For fast drying of washed floors. Attaches to major floor tool 49-90-0550.

49-90-0640 Replacement squeegee blades (3).



14" CARPET INSERT

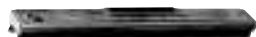
49-90-0600 Bottom plate perfectly designed for cleaning rugs, carpeting. Attaches to major floor tool 49-90-0550.



14" FABRIC ATTACHMENT SHOE

49-90-0570 Suited for cleaning cement and concrete floors. Attaches to major floor tool 49-90-0550.

49-90-0620 14" replacement fabric strips (2).



14" FELT ATTACHMENT SHOE

49-90-0590 For walls and smooth hard floors such as tile, hardwood. Attaches to major floor tool 49-90-0550.

10" NYLON BRISTLE BRUSH

49-90-0760 Heavy-duty cast aluminum, wide mouth nozzle. 10" cleaning path. Compression type. Attaches to Double Bend Floor Wand No. 49-90-1000.



10" HORSE HAIR BRUSH

49-90-0750 Heavy-duty cast aluminum, wide mouth nozzle. 10" cleaning path. Compression type. Attaches to Double Bend Floor Wand No. 49-90-1000.



12" WIDE MOUTH GULPER

49-90-0540 Ideal for use on bare floors or rugs. 12" cleaning path. Compression type. Attaches to Double Bend Floor Wand No. 49-90-1000.



TWO PIECE DOUBLE BEND FLOOR WAND

49-90-1865 Two piece construction for easy storage. Made of chrome-plated steel. Adapts to all MILWAUKEE 1-1/2" I.D. hose. Snap lock connector accommodates major floor tool 49-90-1840.



14" MAJOR FLOOR TOOL

49-90-1840 Economical, high impact, durable plastic construction. Master Nozzle with snap lock feature for use with rug shoe and squeegee shoe listed below. Attaches to 49-90-1865 wand.



14" CARPET INSERT

49-90-1850 Ideal for cleaning rugs and carpets. Attaches to for major floor tool 49-90-1840.



14" SQUEEGEE INSERT

49-90-1845 For fast drying of wet floors. Attaches to for major floor tool 49-90-1840.



14" BRUSH INSERT

49-90-1855 Ideal for dry pick-up on hard surfaces. Attaches to floor tool 49-90-1840.



TWO PIECE EXTENSION WAND

49-90-2100 Two piece construction for easy storage. 1-1/4" diameter. Attaches to 49-90-2110 floor nozzle.



12" FLOOR NOZZLE

49-90-2110 Economical, high impact, durable plastic construction. Attaches to 49-90-2100 wand.



12" SQUEEGEE INSERT

49-90-2120 For fast drying of wet floors. Attaches to 49-90-2110 floor nozzle.



12" BRUSH INSERT

49-90-2130 Ideal for dry pick-up on hard surfaces. Attaches to 49-90-2110 floor nozzle.



HEAVY-DUTY VACUUM CLEANER ACCESSORIES

EXTENSIONS, NOZZLES, BRUSHES, CREVICE TOOLS, FILTERS, FILTER CAGES,
CONVERSION PANS



ALUMINUM 6" UTILITY NOZZLE

49-90-0740 Taper fit utility and upholstery nozzle. Fits 1-1/2" I.D. hose. 6" cleaning path.

CLAMP-ON NYLON BRISTLE BRUSH WITH BUMPER

49-90-0480 Attach directly to utility nozzle.

3" ROUND DUST BRUSHES

49-90-0730 3" round dust brush with nylon bristles. Fits 1-1/2" I.D. hose.

49-90-0660 Replacement brush insert for round dust brush.

49-90-1860 For all purpose dry pick-up of dirt and saw dust. Ideal for cleaning furniture, venetian blinds, etc. Fits 1-1/2" I.D. hoses.

RUBBER BLOWER NOZZLE

49-90-0460 For blowing dust and dirt out of cracks and inaccessible areas. Excellent for machinery. Fits 1-1/2" I.D. hose.

6" PLASTIC UTILITY NOZZLES

49-90-1755 Economical, high impact, durable plastic construction. Fits 1-1/4" I.D. hose for upholstery cleaning and other small jobs. Fits 8934-6, 49-90-0095 and 49-90-0100 hose only

49-90-1775 Economical, high impact, durable plastic construction. Fits 1-1/2" I.D. hose for upholstery cleaning and other small jobs.



20" EXTENSION

49-90-0510 20" extension with built-in hose end swivel. Used with utility nozzle No. 49-90-0740 for automotive cleaning. Also desirable when short extension is needed for dust brush attachments No. 49-90-0730.



METAL CREVICE TOOLS

For cleaning behind radiators, other hard to reach areas, corners and crevices. Fits 1-1/2" I.D. hose.

49-90-0400 15" **49-90-0410** 27"



PLASTIC CREVICE TOOL

49-90-1745 Fits 1-1/4" on hoses 49-90-0095 and 49-90-0100 hose only.



PLASTIC CREVICE TOOL

49-90-1770 Economical, high impact, durable plastic construction. Ideal for cleaning around equipment, behind radiators, hard to reach corners and crevices. Fits 1-1/2" I.D. hose.

FILTER CAGES AND CONVERSION PANS

WIRE FRAME FILTER CAGE, CLOTH FILTER AND GASKET ASSEMBLY

Available for both 14" and 16" dia. tanks. The filter assembly acts as a final filter for air leaving tank.

TUB STYLE FILTERS AND WIRE FRAMES

49-90-0290 Wire Filter Cage 14" Dia. Fits: 8935 only

49-90-0270 Wire Filter Cage 16" Dia. Fits: 8911, 8912, 8925, 8945

49-90-0280 Cloth Filter and Gasket 14" Dia. Fits: 8935 and 8965

49-90-0260 Cloth Filter and Gasket 16" Dia. Fits: 8911, 8912, 8925, 8945

SAUCER STYLE FILTER AND FRAME

49-90-0265 Cloth filter and gasket 16" dia.

49-90-0275 Wire frame filter cage 16" dia.

Above Filter and Wire Frame Fits: 8911, 8912, 8925, 8926, 8927 and 8945.

WET PICK-UP CONVERSION PANS

49-90-1610 Wet Pick-Up Conversion Pan 16" Dia. (Standard on Models 8911, 8912, 8925 and 8945).

49-90-1620 Wet Pick-Up Conversion Pan 14" Dia. (Standard on Model 8935).

49-90-1640 Wet Pick-Up Conversion Pan 16" Dia. (Standard on Models 8926 and 8927).



FILTERS

DISPOSABLE HIGH EFFICIENCY MICRO-PLY PAPER FILTER BAGS

FILTERS DUST PARTICALS DOWN TO DOWN TO 0.1 MICRON

49-90-0302 5-pack. For Vacuum Cleaner Nos. 8911, 8912 and 8965.

49-90-0312 5-pack. For Vacuum Cleaner No. 8935.

49-90-0351 5-pack. For Vacuum Cleaner No. 8925.

49-90-0445 5-pack. For Vacuum Cleaner Nos. 8950, 8955, 8936-20 and 8938-20.

DISPOSABLE HIGH EFFICIENCY MICRO-PLY PAPER FILTER

FILTERS DUST PARTICALS DOWN TO DOWN TO 0.1 MICRON

49-90-0332 5-pack. For 8911, 8912, 8925, 8926, 8927, 8935, 8945 and 8965. Quick and easy to install on vacuum tank. Suited for vacuuming extremely fine dust directly into vacuum tank. Fits over cloth filter assembly.

DISPOSABLE FILTER BAGS

49-90-0305 3-pack. For Vacuum Cleaner No. 8934-6.

POLYESTER FILTER

49-90-0286 Fits 8936-20 and 8938-20 vacuum cleaners. Bag is suited for pick-up of medium fine dust as well as coarse, sharp material.

DACRON FILTER

49-90-0320 For 8911, 8912, 8925, 8926, 8927, 8935, 8945 and 8965. Bag is suited for pick-up of medium fine dust and coarse, sharp material. Fits over cloth filter assembly.

WET/DRY PICK-UP CARTRIDGE FILTER

49-90-1830 For 8950, 8955, 8936-20 and 8938-20. Interchangeable with Cloth Filter Assembly and Foam Filter Sleeve.

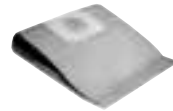
FOAM FILTER SLEEVES

49-90-0770 Motor Filter for 8950, 8955, 8936-20 and 8938-20.

49-90-1820 For 8926, 8927 and 8965.

CLOTH FILTER ASSEMBLIES

49-90-0285 For 8950 and 8955. Use with Foam Filter Sleeve for Dry Pick-Up.





HEAVY-DUTY HEAT GUNS

8975-6

- DUAL TEMPERATURE
570° F AND 1000° F
- 3 POSITION ROCKER
SWITCH – OFF, HIGH & LOW



8980 (KIT)

- DUAL TEMPERATURE
570° F AND 1000° F
- 3 POSITION ROCKER
SWITCH – OFF, HIGH & LOW
- INCLUDES ACCESSORY
ASSORTMENT 49-80-0300



8977-20

- VARIABLE TEMPERATURE
140° F TO 1040° F
- ROTATE REAR HOUSING TO
SELECT TEMPERATURE



8985 (KIT)

- VARIABLE TEMPERATURE
140° F TO 1040° F
- ROTATE REAR HOUSING TO
SELECT TEMPERATURE
- INCLUDES ACCESSORY
ASSORTMENT 49-80-0300



- **Impact Resistant Heating Element**
- **Efficient Soft Air Velocity:**
Increases surface temperature to the required working temperature faster than conventional hot air heat guns. Maintains higher surface temperature, allowing faster completion standard commercial or industrial applications.
- **Cool Air Inlet Design**
Allows air movement at peak efficiency, even when resting on support stand.
- **Support Stand**
Enables gun to be stationary for workbench or assembly work, freeing both hands for use.
- **Users:**
Plumbers, Painters, Floor Covering Installers, Technicians, Boat Builders, Food Processing, Industry, Mechanics, Contractors, Body Shops, Photographers, Schools, Laboratories.
- **Applications:**
Softens, molds, bends and forms plastics. Pre-dries surfaces for fast preparation, softens caulking, putty and plastics, strips paint, varnish and lacquer. Repairs auto top vinyl, thaws frozen pipes, shrink fits plastic tubing, dries electric lines and cables, removes tiles, floor covering materials, loosens over-tightened screws and joints, welds plastics, PVC coated fabrics and foils.

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC	AMPS	AIR VOLUME CU. FT. MIN.	AIR TEMPERATURES	LENGTH (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
8975-6	120	11.6	14.8	570° F / 1000° F	10-1/8	1.6	2.0
8980 KIT	120	11.6	14.8	570° F / 1000° F	10-1/8	1.6	5.3
8977-20	120	11.6	14.8	140° F / 1040° F	10-1/8	1.6	2.0
8985 KIT	120	11.6	14.8	140° F / 1040° F	10-1/8	1.6	5.3

STANDARD EQUIPMENT: FOR 8975-6 – Dual Temp. Heat Gun. FOR 8980 – 8975-6 Heat Gun, Accessory Assortment 49-80-0300 and Impact Resistant Carrying Case. FOR 8977-20 – Variable Temp. Heat Gun. FOR 8985 – 8977-20 Heat Gun, Accessory Assortment 49-80-0300 and Impact Resistant Carrying Case.

ACCESSORIES

HIGH IMPACT CARRYING CASE

48-55-7120 Tough, custom molded rustproof, polyethylene case securely holds the 8975-6 and 8977-20 heat gun and all 4 accessory nozzles.



ACCESSORY ASSORTMENT

49-80-0300 Includes 49-80-0292, 49-80-0293, 49-80-0294 and 49-80-0297 to fit most common applications. Fits all heat guns offered by MILWAUKEE.

AIR REDUCTION

49-80-0297 Intensified heat in a specific area – soldering.

HOOK NOZZLE

49-80-0292 When heat is needed to surround-bending, soldering pipe, shrinking tubing.

DEFLECTOR

49-80-0293 Deflects air away from glass when stripping paint or softening putty.

AIR SPREADER

49-80-0294 Intensified heat for removing floor coverings, paint burning, vinyl top removal.



HEAVY-DUTY HEAT GUNS

8988-20

- VARIABLE TEMPERATURE
90° F TO 1050° F



**LED Digital
Readout
Display**



8978-20 (KIT)

- VARIABLE TEMPERATURE
200° F TO 1050° F
- INCLUDES 2 NOZZLES



- **Removable Air Filter**
Prevents debris from entering tool.
- **Ceramic Encapsulated Heating Element**
Found only in the highest quality heat guns. Maintains shape of helix and uniform coil which results in longer tool life.
- **Thermo Protected**
Automatically prevents the tool from overheating by maintaining set temperature.
- **One Hand Operation**
The light weight, easy grip handle and convenient switch location make working with the unit extremely easy.
- **Stationary Use**
Tool is designed with pads on the back cap and lower handle for use in upright position.
- **LED Digital Readout Display**
Temperature monitoring via digital display showing the present temperature in increments of 10° F. (8988-20 only)
- **Users:**
Aerospace Industries. Defense Department. Computer Industries. Harness Shops.
- **Applications:**
Plastic Curing on Aircraft. Solder Sleeve Splicing Devices. Shrink Tube Insulator Applications. Wire Harnessing. Welding Thermoplastics. Shaping and Bending Plastics.

SPECIAL 8978-20 FEATURES

- **Impact Resistant Heating Element**
- **Heat Adjustment Dial (1– 6) For Temperature From 200° F – 1050° F**
- **Electronic Control**
Allows extra reduction of air flow for more accurate and concentrated heat location without damage to heating element.

SPECIFICATIONS

CATALOG NUMBER	VOLTS AC	AMPS	AIR VOLUME CU. FT. MIN.			AIR TEMPERATURES	LENGTH (IN.)	NET. WGT. (LBS.)	SHP. WGT. (LBS.)
			COOL AIR ONLY	LOW AIR (WITH HEAT)	HIGH AIR (WITH HEAT)				
8988-20	120	12.5	7.06	8.83	15.89	90°F – 1050°F	11-1/2	2.0	2.8
8978-20	120	12.5	-	-	14.8	200°F – 1050°F	13	1.8	2.5

STANDARD EQUIPMENT: FOR 8988-20 - Tool only. FOR 8978-20 - Tool, air reduction nozzle 49-80-0305 and hook nozzle 49-80-0292.

FOR USE WITH ALL HEAT GUNS: 8978-20, 8988-20, 8975-6, 8977-20

AIR REDUCTION

49-80-0297 Intensified heat in a specific area – soldering.



HOOK NOZZLE

49-80-0292 When heat is needed to surround-bending, soldering pipe, shrinking tubing.



DEFLECTOR

49-80-0293 Deflects air away from glass when stripping paint or softening putty.



AIR SPREADER

49-80-0294 Intensified heat for removing floor coverings, paint burning, vinyl top removal.



ACCESSORY ASSORTMENT

49-80-0300 Includes 49-80-0292, 49-80-0293, 49-80-0294 and 49-80-0297. Fits all heat guns offered by MILWAUKEE.

ACCESSORIES

FOR USE WITH HEAT GUNS: 8978-20, 8988-20

AIR REDUCTION

49-80-0305 Intensified, spot directed for corners, bending plexiglass, soldering.



AIR REDUCTION

49-80-0306 Similar function to 49-80-0305, larger working areas.



AIR REFLECTOR

49-80-0307 Small diameter tubing, wires, shrink wrap tubing.



SLIT NOZZLE

49-80-0308 Intensified air flow for lap welding PVC canvasses and sheets. (Must be used with 49-80-0305).





HEAVY-DUTY PROFESSIONAL LEVER AND HAND CHAIN HOISTS

HAND CHAIN HOISTS
• 1/2 – 5 TON
CAPACITY

- 9667-20
- 9668-20
- 9669-20
- 9670-20
- 9671-20
- 9672-20
- 9673-20
- 9674-20
- 9675-20
- 9676-20
- 9677-20
- 9678-20
- 9679-20
- 9680-20
- 9681-20



LEVER HOISTS
• 3/4 – 3 TON
CAPACITY

- 9682-20
- 9683-20
- 9684-20
- 9685-20
- 9686-20
- 9687-20
- 9688-20
- 9689-20
- 9690-20
- 9691-20



9667-20 – 9681-20 FEATURES

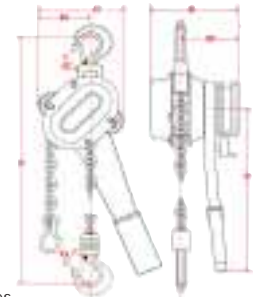
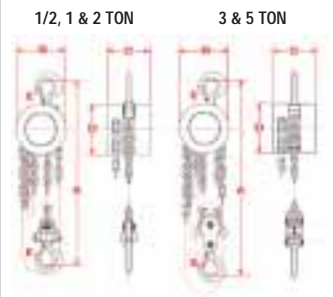
- Hardened Load Chain For Flexibility And Long Wear
- Weston-Type Load Brake Requires No Lubrication
- Wheel Cover With Guide Slots Minimizes Jamming And Slipping
- Forged Swivel Hooks With Latches Reduces Twisting Of Chain And Unhooking Of Load When Chain Is Slack
- Standard Hand Chain Drop Is 2 Feet Less Than Lift
(Example: 8 foot lift hoist has 6 foot hand chain drop.)
- Simple, Efficient, Compact Design, Lightweight For Easy Installation, Even In Confined Spaces
- 1/2 – 5 Ton Capacity

9682-20 – 9691-20 FEATURES

- Weston-Type Automatic Braking System For Positive Load Control
- Forged Upper And Lower Hooks With Cast Steel Latches Standard
- Steel Chain Guide Roller And Chain Stripper For Smooth Chain Feed
- Double Reduction Dual Load Sharing Steel Gears
- Double Pawl Arrangement For Optimum Load Control
- Impact Resistant All-Steel Frame, Gear Case And Cover
- Minimal Maintenance With No Special Tools
- Hardened Link Type Alloy Steel Load Chain For Strength And Long Wear Life
- Free Wheeling Chain For Fast Load Attachment

SPECIFICATIONS

CATALOG NUMBER	RATED CAPACITY (TONS)	STANDARD LIFT (FT.)	CHAIN PULL TO LIFT RATED LOAD (LBS.)	FEET OF CHAIN OVERHAULED TO LIFT LOAD ONE FOOT (FT.)	SHIP. WGT. (LBS.)	CAPACITY																																										
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9667-20	1/2	8	53	29	18.0	<table border="1"> <thead> <tr> <th colspan="2">RATED CAPACITY (TONS)</th> <th>1/2</th> <th>1</th> <th>2</th> <th>3</th> <th>5</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>HEADROOM</td> <td>11-5/8"</td> <td>13"</td> <td>18-1/8"</td> <td>21-29/32"</td> <td>23-7/8"</td> </tr> <tr> <td>B</td> <td>WIDTH</td> <td>4-15/16"</td> <td>5-19/32"</td> <td>8-5/16"</td> <td>8-5/16"</td> <td>8-5/16"</td> </tr> <tr> <td>C</td> <td>DEPTH</td> <td>4-5/16"</td> <td>5-1/16"</td> <td>6-5/8"</td> <td>6-5/8"</td> <td>6-5/8"</td> </tr> <tr> <td>D</td> <td>DIAMETER</td> <td>4-15/16"</td> <td>5-19/32"</td> <td>8-5/16"</td> <td>8-5/16"</td> <td>8-5/16"</td> </tr> <tr> <td>E</td> <td>HOOK OPENINGS</td> <td>1-1/16"</td> <td>1-1/32"</td> <td>1-1/4"</td> <td>1-5/16"</td> <td>1-13/16"</td> </tr> </tbody> </table>	RATED CAPACITY (TONS)		1/2	1	2	3	5	A	HEADROOM	11-5/8"	13"	18-1/8"	21-29/32"	23-7/8"	B	WIDTH	4-15/16"	5-19/32"	8-5/16"	8-5/16"	8-5/16"	C	DEPTH	4-5/16"	5-1/16"	6-5/8"	6-5/8"	6-5/8"	D	DIAMETER	4-15/16"	5-19/32"	8-5/16"	8-5/16"	8-5/16"	E	HOOK OPENINGS	1-1/16"	1-1/32"	1-1/4"	1-5/16"	1-13/16"
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9670-20	1	8	77	37	24.0																																											
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9674-20	2	8	82	80	54.0																																											
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9680-20	5	8	105	147	76.0																																											
9681-20	5	20	105	147	114.0																																											
9682-20	3/4	5	33	-	19.0	<table border="1"> <thead> <tr> <th colspan="2">RATED CAPACITY (TONS)</th> <th>3/4</th> <th>1-1/2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>HEADROOM</td> <td>12-5/8"</td> <td>14-13/16"</td> <td>18-11/16"</td> </tr> <tr> <td>B</td> <td>OUTSIDE CLEARANCE</td> <td>2-3/16"</td> <td>2-3/8"</td> <td>4-3/16"</td> </tr> <tr> <td>C</td> <td>WIDTH</td> <td>4-3/8"</td> <td>4-3/4"</td> <td>7-1/2"</td> </tr> <tr> <td>D</td> <td>OUTSIDE CLEARANCE</td> <td>3-9/16"</td> <td>3-15/16"</td> <td>4-9/16"</td> </tr> <tr> <td>E</td> <td>OUTSIDE CLEARANCE</td> <td>5-15/16"</td> <td>6-7/8"</td> <td>7-7/8"</td> </tr> <tr> <td>F</td> <td>LEVER LENGTH</td> <td>11"</td> <td>16-1/4"</td> <td>16-1/4"</td> </tr> <tr> <td>G</td> <td>HOOK OPENING</td> <td>1-1/8"</td> <td>1-1/4"</td> <td>1-9/16"</td> </tr> </tbody> </table>	RATED CAPACITY (TONS)		3/4	1-1/2	3	A	HEADROOM	12-5/8"	14-13/16"	18-11/16"	B	OUTSIDE CLEARANCE	2-3/16"	2-3/8"	4-3/16"	C	WIDTH	4-3/8"	4-3/4"	7-1/2"	D	OUTSIDE CLEARANCE	3-9/16"	3-15/16"	4-9/16"	E	OUTSIDE CLEARANCE	5-15/16"	6-7/8"	7-7/8"	F	LEVER LENGTH	11"	16-1/4"	16-1/4"	G	HOOK OPENING	1-1/8"	1-1/4"	1-9/16"		
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9683-20	3/4	10	33	-	21.0																																											
9684-20	3/4	20	33	-	26.0																																											
9685-20	1-1/2	5	51	-	31.0																																											
9686-20	1-1/2	10	51	-	36.0																																											
9687-20	1-1/2	20	51	-	45.0																																											
9688-20	1-1/2	25	51	-	51.0																																											
9689-20	3	5	77	-	51.0																																											
9690-20	3	10	77	-	59.0																																											
9691-20	3	20	77	-	72.0																																											



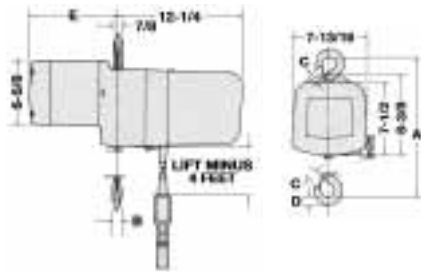
WARNING: MILWAUKEE lifting tools are not to be used for lifting, supporting or transporting people, nor for lifting loads over people.
 •MILWAUKEE does not cover freight and/or labor for inspection and testing of professional lifting tools (hoists) that are found not to be valid warranties.
 •Valid warranties must be substantiated by the discovery of defective material and/or workmanship.



HEAVY-DUTY PROFESSIONAL ELECTRIC CHAIN HOISTS & ADJUSTABLE TROLLEYS



SAF Listed



- **Built-in, Multiple-Disc, Magnetic Brake**
Provides positive load holding and spotting.
- **Adjustable Upper And Lower Limit Switches**
For maximum flexibility in regulating load travel.
- **Duty Service Classification**
H-3 on time up to 25% of work period.
3 phase on time up to 33% of work period.
- **Overload Limiting Clutch**
Guards against lifting damaging overloads while operating hoist.
- **Single or Three-Phase Dual Voltage Motors**
Choose between 115V/230V and 230V/460V (AC) units to meet your operation power requirements.
- **Latch-Type Ridged Top Hook On All Models**
- **Rugged, Lightweight, Aluminum Housing**
Corrosion-resistant. Reduced weight allows greater portability.
- **24-Volt Pushbutton Station**
Fits user's hand to allow thumb, trigger or two-handed operation.

ACCESSORIES



CHAIN CONTAINERS

Recommended to keep surplus chain out of the work area.
48-12-0111 For Electric Chain Hoist No. 9560 thru 9571.
48-12-0112 For Electric Chain Hoist No. 9572.
48-12-0113 For Electric Chain Hoist No. 9573.

SPECIFICATIONS

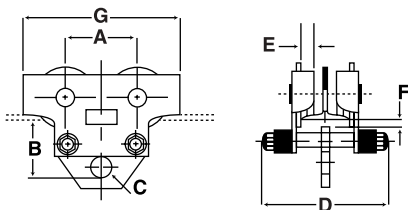
CAPACITY

CATALOG NUMBER	RATED LOAD (TON)	LIFTING SPEED (FT. MIN.)	LIFT HEIGHT† (FT.)	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	H.P.	PHASE	VOLTAGE (AC)	AMPS AT LOW VOLTAGE	REEVING	APPROXIMATE SHIPPING WEIGHT (LBS.)
9560	1/2	16	10	18	3/4	1	1	9	1/2	SINGLE	115/230	9.8	SINGLE	79
9561	1/2	16	15	18	3/4	1	1	9	1/2	SINGLE	115/230	9.8	SINGLE	85
9562	1/2	16	20	18	3/4	1	1	9	1/2	SINGLE	115/230	9.8	SINGLE	103
9565	1	16	10	18	3/4	1	1	10-1/2	1	SINGLE	115/230	16.0	SINGLE	94
9566	1	16	10	18	3/4	1	1	8-5/8	1	THREE	230/460	3/3	SINGLE	94
9567	1	16	15	18	3/4	1	1	10-1/2	1	SINGLE	115/230	16.0	SINGLE	97
9568	1	16	20	18	3/4	1	1	10-1/2	1	SINGLE	115/230	16.0	SINGLE	103
9570	2	8	10	22	7/8	1-1/8	1-1/8	10-1/2	1	SINGLE	115/230	16.0	DOUBLE	103
9571	2	8	10	22	7/8	1-1/8	1-1/8	8-6/8	1	THREE	230/460	3/3	DOUBLE	103
9572	2	8	15	22	7/8	1-1/8	1-1/8	10-1/2	1	SINGLE	115/230	16.0	DOUBLE	110
9573	2	8	20	22	7/8	1-1/8	1-1/8	10-1/2	1	SINGLE	115/230	16.0	DOUBLE	118

† Pushbutton cable length; four feet less than lift. **WARNING:** See warning below.

3 MODELS AVAILABLE – 1, 2, 3 TON RATED LOAD

- **Can Be Used With Any Milwaukee Manual Or Electric Hoist**
Provides flexibility for a wide range of material handling applications.
- **Fully Adjustable**
Fits most standard and wide-flange I-beams.
- **Precision Dual Tread Wheels**
Roll heavy loads with ease. Fit tapered or flat beam flanges.
- **Permanently Sealed Precision Ball Bearings**
Pre-lubricated sealed bearings for long life and reduced maintenance.
- **Rugged Steel Body Construction**
Wrap around side plates. Bumper to protect wheels. Safety lug to prevent dropping of load.



SPECIFICATIONS

CAPACITY

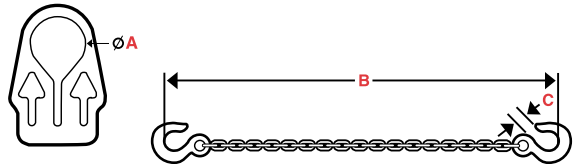
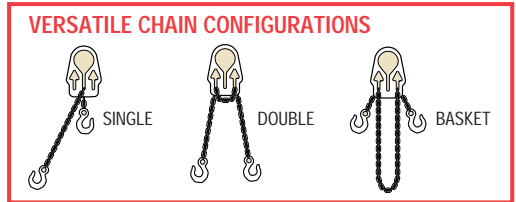
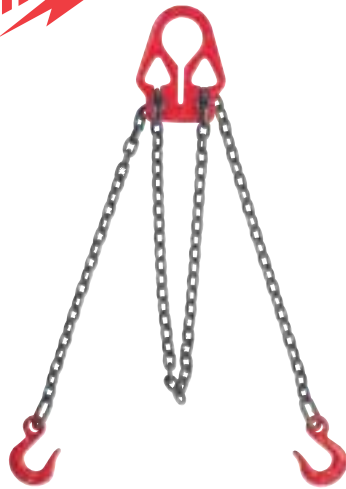
CATALOG NUMBER	RATED LOAD (TON)	BEAM HEIGHT†	BEAM WIDTH†	MINIMUM RADIUS (INS.)	WHEEL TREAD DIAMETER (INS.)	A (INS.)	B* (INS.)	C (INS.)	D (INS.)	E* (INS.)	F* (INS.)	G (INS.)	APPROX. SHIPPING WEIGHT (LBS.)
9621	1	5"-18"	3"-8"	48	2-3/4	4.56	3.96	2.25	12.0	.87	.48	9.88	25.5
9641	2	6"-24"	3.3"-8"	60	4-1/4	6.25	5.13	2.25	12.63	1.25	.63	13.5	55.0
9661	3	8"-24"	4"-8"	60	4-1/4	6.38	4.97	2.25	13.38	1.22	.72	14.5	67.0

† American Standard Beam. *Dimensions based on minimum size beam. ▼ Minimum-maximum adjustable width of trolley.

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HEAVY-DUTY ADJUSTABLE CHAIN LINK AND NYLON WEB SLINGS



ADJUSTABLE CHAIN LINK SLINGS

- **Master Control Link With Three Adjustable Slots**
For quick and easy adjustment of one or both legs, one of more links at a time.
- **Grade 80 Alloy Steel Chain**
Recommended for lifting applications.
- **Alloy Steel Master Control Link**
For strength, reliability and durability.
- **Proof Tested And Certified**
Complies with OSHA.
- **Capacity And Serial Number Stamped Into Link**
Provides easy identification and traceability.

SPECIFICATIONS

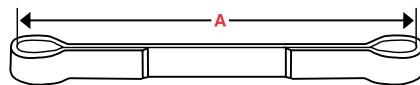
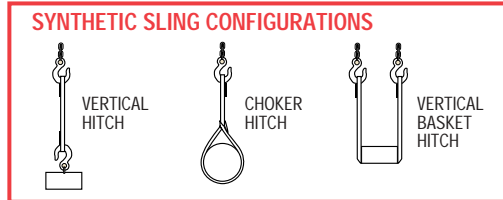
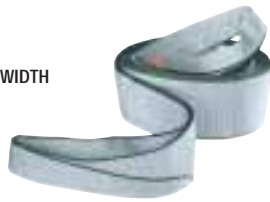
CAPACITY

CATALOG NUMBER	CHAIN SIZE (INCHES)	MASTER CONTROL LINK WIDTH (INCHES) (A)	CHAIN LENGTH ± 1 INCH (B)	CHAIN HOOK OPENING (INCHES) (C)	SINGLE LEG RATING LBS.	DOUBLE LEG AT 60° FROM HORIZONTAL LBS.	DOUBLE LEG AT 45° FROM HORIZONTAL LBS.	SHIP. WGT. LBS.
49-58-0010	7/32	2 REF.	6'	15/16 REF.	2100	3600	3000	5.0
49-58-0015	7/32	2 REF.	10'	15/16 REF.	2100	3600	3000	6.0
49-58-0020	9/32	3 REF.	6'	1-1/16 REF.	3500	6100	4900	8.0
49-58-0025	9/32	3 REF.	10'	1-1/16 REF.	3500	6100	4900	11.0



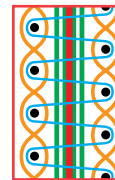
1" AND 2" WIDTH

4" WIDTH



EYE AND EYE STYLE SYNTHETIC WEB SLINGS

- **Heavy-Duty Synthetic Webbing Features Red Core Warning Yarn System And Abrasion Resistant Treatment**
- **Polymer Coated Edge Yarns**
67% more resistant to edge abrasion and 30% more resistant to edge cutting.
- **Silver Colored Web Treatment**
Fights abrasion for additional sling life.
- **Tuff-Tag Identification Tag**
Provides required OSHA And ANSI requirement information for the life of the sling. Serial numbered identification for traceability.



- Transverse pick yarns interrelate with binder/surface yarns.
- Woven surface yarns cover each side and carry a portion of the load.
- Strip of longitudinal core yarns bears majority of the load.
- Binder yarns secure the surface yarns to web core yarns.
- Red core warning yarns.

SPECIFICATIONS

CAPACITY

CATALOG NUMBER	WIDTH (INCHES)	LENGTH (A)	MINIMUM TENSILE STRENGTH (VERTICAL HITCH) LBS.	VERTICAL HITCH LBS.	CHOKER HITCH LBS.	BASKET HITCH LBS.	SHIP. WGT.
49-58-0030	1 REF.	3' ± 1"	8000	1600	1250	3200	7.5 oz.
49-58-0035	1 REF.	4' ± 1"	8000	1600	1250	3200	8.5 oz.
49-58-0040	1 REF.	6' ± 1.5"	8000	1600	1250	3200	10.5 oz.
49-58-0045	1 REF.	8' ± 2"	8000	1600	1250	3200	11.5 oz.
49-58-0050	2 REF.	6' ± 1.5"	16,000	3200	2500	6400	1.3 lbs.
49-58-0055	2 REF.	8' ± 2"	16,000	3200	2500	6400	1.5 lbs.
49-58-0060	2 REF.	10' ± 2.5"	16,000	3200	2500	6400	1.8 lbs.
49-58-0065	2 REF.	12' ± 3"	16,000	3200	2500	6400	2.2 lbs.
49-58-0070	4 REF.	10' ± 2.5"	32,000	6400	5000	12,800	3.0 lbs.
49-58-0075	4 REF.	12' ± 3"	32,000	6400	5000	12,800	4.0 lbs.
49-58-0080	4 REF.	15' ± 3"	32,000	6400	5000	12,800	4.0 lbs.

MILWAUKEE SLING WEBBING

- **Sling Webbing, As Shown, Has Its Surface Yarns Connected From Side To Side, Which Not Only Protects The Core Yarns, But Positions All Surface And Tensile Yarns To Work Together To Support The Load**
- **Wear Or Damage To Sling Webbing Face Yarns Cause An Immediate Strength Loss. This Is Why Sling Webbing Has Red Core Yarns To Visually Reveal Damage And Act As A Basis For Sling Rejection**



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5301 Edina Industrial Blvd.
Edina, MN 55439
Phone 952-345-0551

OHIO
7600 Wall St.
Cleveland, OH 44125
Phone 216-524-7840

TEXAS-continued
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Houston, TX 77018
Phone 713-688-3622

COLORADO
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Denver, CO 80204
Phone 303-922-1036

ILLINOIS (Chicago)
6310 Gross Point Road
Niles, IL 60714
Phone 847-588-3356

MISSOURI (St. Louis)
924 S. Highway Dr.
Fenton, MO 63026
Phone 636-349-8407

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Broomall, PA 19008
Phone 610-544-5518

TEXAS-continued
231 E. Nakoma, Ste. 100
San Antonio, TX 78216
Phone 210-377-4251

FLORIDA
3311 N.W. 82nd Avenue
Miami, FL 33122
Phone 305-477-1091

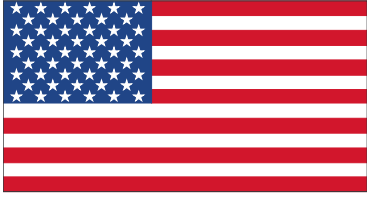
MICHIGAN (Detroit)
11871 Belden Court
Livonia, MI 48150
Phone 734-266-6268

NEW YORK (Flushing)
131-27 31st Ave.
College Point, NY 11354
Phone 718-886-1054

TEXAS
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Phone 214-637-4823

WISCONSIN (Milwaukee)
4057 N. 128th St.
Brookfield, WI 53005
Phone 262-781-5354

AUTHORIZED PORTABLE ELECTRIC TOOL SERVICE STATIONS — USA



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PARTS & SERVICE 

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Birmingham	35203 Alabama Jack Company, Inc. 1140 5th Avenue North	(205) 251-8156
Calera	35040 Quality Tool Repair 6180 Hwy. 31	(205) 668-3131
Decatur	35601 Power Tool Sply & Rpr 1713 Creighton SE	(256) 350-0079
Mobile	36693 Bay City Tool Rpr 4405 Halls Mill Rd	(251) 666-8406
Mobile	36693 Tool Smith Company 920 Lakeside	(251) 661-0404
Montgomery	36104 M & M Electric Motor Svc 674 S. McDonough St	(334) 264-8485
Montgomery	36107 Professional Tool Rpr 1551 Rex Street	(334) 263-6776
Pelham	35124 Tool Speciality 141 Commerce Ct	(205) 733-9292

ALASKA

Anaheim, California	92801 Milwaukee Factory Service Center 1130 N Magnolia	(800) 729-3878
Anchorage	99518 Air Liquide Anchorage 6415 Arctic Blvd.	(907) 562-2080
Fairbanks	99706 Fairbanks Aero Services 1915 Ada Street	(907) 479-6666
Ketchikan	99901 Tyler Rental Inc. 5216 Borch Street N.	(907) 225-6069

ARIZONA

Anaheim, California	92801 Milwaukee Factory Service Center 1130 N Magnolia	(800) 729-3878
Flagstaff	86004 The Cutting Edge 1620 N. First St	(928) 773-8503
Gilbert	85233 Carlson Systems 75 Baseline #D27	(480) 962-6245
Glendale	85301 Banner Tool Service 6741 N. 57th Ave.	(623) 842-0800
Lake Havasu Cty	86403 A & B Supply 1081 N. Lake Havasu Ave	(928) 453-3185
Mesa	85210 Chandler Equipment Sales 1124 S. Center St	(480) 964-1871
Phoenix	85009 Unicoa Industrial Sply, Inc. 2224 N. 23rd Ave	(602) 254-4666
Phoenix	85016 Glenn's Tool Service, Inc. 2149 E. Indian School Rd	(602) 264-6203
Phoenix	85017 Copper State Bolt & Nut 3637 N. 34th Ave	(602) 437-8677
Phoenix	85020 The Shop, Inc. 8350 N. Seventh St	(602) 997-9531
Phoenix	85022 Arizona Power Tool 13439 N. Cave Creek Rd	(602) 485-4067
Phoenix	85040 Arizona Armature Service 4641 S. 33rd St	(602) 276-4434
Prescott	86301 Prescott Power Tool 1050 Willow Creek Rd #1	(928) 445-2628
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Tucson	85713 Copper State Bolt & Nut 811 E. 47th St	(570) 882-0611
Tucson	85713 Unicoa Industrial Sply, Inc. 3232 E. 36th St	(520) 620-1000
Tucson	85714 Mechanics Tool Service 1301 E. Apache Park Pl	(520) 889-8484
Tucson	85719 Western Tool Inc. 702 S. Campbell	(520) 884-0504

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El Dorado	71730 The Tool Room 508 Marsh Ave.	(870) 863-3036
Fort Smith	72901 Toolco of Arkansas 5732 Wheeler	(479) 648-3125
Harrison	72602 Harrison Tool Room 1306 Hwy. 62-65 North	(870) 365-0406
Hot Springs	71901 Arkansas Welding Supply 230 Valley St	(501) 321-9922
Jonesboro	72401 The Tool Doctor 1809 E. Parker Rd	(870) 972-6864
Little Rock	72202 C & W Tool Repair 1400 S. Main	(501) 374-1911
Mabelvale	72103 Air Power Inc. 11000 Otter Creek Blvd	(501) 455-6116
Russellville	72801 C & C Machinery, Inc. 2120 E. 2nd St.	(479) 968-7144
Springdale	72762 The Tool Hospital 3670 Elm Springs Rd	(479) 927-0400
Springdale	72764 Tri-Bar Tool & Sply 4315 N. Thompson	(479) 751-3502
Texarkana	71854 Southern Fastening Systems 3601 Jefferson Ste 1	(870) 772-4715

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Bakersfield	93308 Electropower Inc. 3736 Gilmore Ave	(661) 322-1586
Campbell	95008 ABC Repair 520 E. McGilincy Ln Ste 13	(408) 378-1075
Canoga Pk	91304 Spark Tools 7841 Alabama Unit 17	(818) 884-6821
Compton	90221 Lee's Tools 1924 N. Long Beach Blvd	(310) 639-1900
Concord	94520 CES-Concord 1170 Burnett Ave Ste G	(925) 827-1011
Culver Cty	90230 Westwood Power Tool Co. 4824 S. Sepulveda Blvd	(310) 837-1231
El Monte	91731 A & N Electric tool 11343 Stewart St	(626) 444-9570
Fallbrook	92028 Mack's Tool Repair 341 Industrial Way Ste A	(760) 451-1078
Fresno	93703 All Tool Service 1571 N. Maple	(559) 252-2879
Glendale	91205 Tool Shack 229 S. Glendale Ave	(818) 956-1144
Grass Valley	95945 Freddy & Son Pro Svc Cntr 540 E. Main St	(530) 273-6321
Hayward	94545 California Service Tool 26250-F Corporate Ave	(510) 782-1000
Hayward	94545 Golden Bear Fastener 21660 Cloud Way	(510) 785-7735
Healdsburg	95448 Acme Tool Repair 452 Moore Lane	(707) 431-0444
Hesperia	92345 Apex Rental 9262 "C" Ave	(760) 244-3558
Lancaster	93534 Valley Construction Sply 45346 N. Trevor	(661) 948-5074
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 Santa Barbara 93101 Buena Tool Co 433 Laguna St (805) 963-3885
 Santa Fe Springs 90670 Kimmerle Brothers, Inc. 12060 Florence Ave (562) 946-6771
 Santa Rosa 95403 H & V Tool Repair 1808 Empire Industrial Ct (707) 528-1111
 Santa Susanna 93063 Simi Tool Repair 2512 Tapo St (805) 584-8138
 Signal Hill 90755 Terry's Tool Works 1431 E. 28th St (562) 988-9150
 Stockton 95205 United Rentals, Inc. 2911 E. Fremont St (209) 461-2870
 Temecula 92590 Toolmart, Inc. 28011 Jefferson St (909) 676-5210
 Torrance 90502 Universal Tool Service 21804 S. Vermont Ave (310) 328-6472
 Ukiah 95482 Martin's Electric Motor 920-C Waugh Lane (707) 463-1800
 Visalia 93292 California Tool Warranty 200 S. Cotta Ct (888) 330-9301
 Yuba City 95991 Kinney Electric 720 Bridge St (530) 673-3450

COLORADO

Denver, Colorado 80204 Milwaukee Factory Service Center 2500 W 8th Ave, Unit E (800) 729-3878
 Carbondale 81623 Tools For Living (970) 963-8776
 Colorado Springs 80907 Central Colorado Tool Service 204 Mount View Ln Unit 13 (719) 635-8615
 Colorado Springs 80907 The Tool Hospital 4127 N. Sinton Rd (719) 260-0619
 Denver 80204 A Pro-Tool Inc. 1950 W. 13th Ave Unit 2 (303) 623-3743
 Denver 80207 Aviation Industrial Supply 3900 Ulster (303) 355-2391
 Eagle 81631 Tool Clinic, Inc. 725 Chambers Ave Unit 9 (970) 328-6282
 Fort Collins 80524 RSC Corp. 1429 E. Mulberry St (970) 482-9999
 Fort Collins 80524 Workfitters Tool & Safety 1554 Riverside Rd (970) 482-9930
 Golden 80401 Perfection Tool & Repair 16200 S. Golden Rd (303) 279-0133
 Grand Jct 81501 Professional Power Tool Svc. 2420 I-70 Business Loop (970) 242-1224
 Greeley 80631 Greeley Electric Repair 2509-1/2 8th Ave (970) 352-1961
 Longmont 80501 AAA Electric, Inc. 24 S. Main St (303) 776-6031

CONNECTICUT

College Point (New York), NY 11354 Milwaukee Factory Service Center 131-27 31st Ave (800) 729-3878
 E. Hartford 06108 Jossam Tool Repair 411 Burnham St (860) 289-4064
 Hartford 06106 Utility Electric 53 Main St (860) 246-7271
 Jewett City 06351 Q.T.R. Inc. 39 Wedgewood Dr (860) 376-5634
 New Haven 06512 Colony Hardware Supply 15 Stiles St (203) 466-5252
 Oakville 06779 Watertown Tool Repair 28 Main St (203) 596-1344
 Plantsville 06479 R & D Service, LLC 790 S. Main St (860) 628-5205

DELAWARE

Broomall (Philadelphia), PA 19008 Milwaukee Factory Service Center 800 Parkway Blvd (800) 729-3878
 Milford 19963 Aertech Inc. #7 Marshall St (302) 422-8155

FLORIDA

Doraville (Atlanta), Georgia 30340 Milwaukee Factory Service Center 3621 Clearview Pkwy (800) 729-3878
 Miami, Florida 33122 Milwaukee Factory Service Center 3311 NW 82nd St (800) 729-3878
 Bradenton 34205 Able Supply 502 36th Street W. (941) 746-2958
 Davie 33331 Sy's Supplies 15751 SW 41st St (800) 937-7711
 Daytona Beach 32117 C & C Power Tools 856 Mason Ave (386) 253-5815
 Ft. Lauderdale 33314 Tool Repair Depot 5416 S. State Rd 7 (954) 797-8998
 Ft. Lauderdale 33334 Broward Tool Repair 3547 N. Dixie Hwy (954) 566-4114
 Ft. Myers 33912 Brinker Brown Fastener & Sply. 11351 Metro Pkwy (239) 939-3535
 Ft. Walton Beach 32548 Gatlin Lumber & Sply. 57 Beal Pkwy (850) 243-9102
 Hallandale 33009 441 Tool Repair Inc. 1975A South Park Rd (954) 981-8270
 Hialeah 33013 Creation Tool Company 3865 E. 4th Ave (305) 836-7488
 Hollywood 33023 National Tool Sply. 5725 W. Hallandale Beach Blvd (954) 963-7222

FLORIDA (continued)

Hudson 34667 Suncoast Tool Repair 14606 Marina Dr (727) 697-0134
 Jacksonville 32205 North Florida Pwr. Tool Repair 814 S. Edgewood Ave. (904) 387-4455
 Jacksonville 32218 B.C. Industrial Supply 10592-6 Balmoral Circle-East (904) 751-3741
 Jacksonville 32254 Tool Shack, Inc. 226 Edgewood Ave. S. (904) 387-1466
 Key West 33040 Key West Electric Repair 311 Margaret St (305) 296-8549
 Largo 33773 Jim & Slim's Tool Sply, Inc. 13065 S. Belcher Rd (727) 535-5661
 Melbourne 32901 Stebbins Hardware, Inc. 405 E. New Haven Ave (321) 723-6434
 Miami 33150 Skyproducts 10035 Northwest 7th Ave (305) 759-8665
 Miami 33166 Southern Tool & Equipment 5625 NW 79th Ave (305) 591-8444
 Mulberry 33860 E & W Tool & Supply Inc. 465 Fife Rd (863) 425-3077
 N. Ft Myers 33903 Preshers Servicenter 1349 Old Pondella Rd (941) 574-2540
 Ocala 34475 Tool Doctor 1825 N. Magnolia Ave (352) 622-5655
 Orlando 32804 G-M Tool & Fastener, Inc. 2634 Taft Ave (407) 425-2919
 Orlando 32806 Florida Electric Motor Svc. 1128 Atlanta Ave (407) 425-8160
 Orlando 32810 Contractors' Tool & Service 5409 Edgewater Dr (407) 292-2808
 Panama 32405 Bay Bolt & Industrial Sply 2013 N. East Ave (850) 784-4442
 Pensacola 32501 Escambia Electric Motor 1101 W. Main St (850) 432-1577
 Port Charlotte 33954 Tropical Tool Repair 18412 Paulson Dr Unit A-1 (941) 743-5863
 Riviera Beach 33404 Action Bolt & Tool Company 2051 Blue Heron Blvd W (561) 845-8800
 Santa Rosa Beach 32459 Citrus Tool & Fastener 3906 US Hwy 98 W Ste #26 (850) 267-0541
 Sarasota 34233 ASAP Rental & Sales 5377 McIntosh Rd (941) 923-4541
 St. Augustine 32095 Ernie's Tool 20 S. Dixie Hwy (904) 829-5712
 Stuart 34997 Appliance Doctors 3166 S. Dixie Hwy (772) 287-6437
 Tallahassee 32301 Southside Mower Repair 1885 S. Monroe St (850) 224-5613
 Tampa 33603 Gator Repair 5128 Nebraska Ave (813) 237-6561
 Tampa 33609 Mylee Tool Supply Inc. 2905 W. Kennedy Blvd (813) 877-0509
 Tampa 33610 Florida Tool Warranty Inc. 4509 D. Orient Dr (813) 246-5375
 Vero Beach 32960 Atco Tool Supply 2456 North US Hwy 1 (772) 569-0326
 West Palm Beach 33413 Tools 'N' More 6537 Southern Blvd (561) 689-8349

GEORGIA

Doraville (Atlanta), Georgia 30340 Milwaukee Factory Service Center 3621 Clearview Pkwy (800) 729-3878
 Atlanta 30318 Power Tool Service, Inc. 1939 Hills Ave NW (404) 605-0101
 Atlanta 30331 Fastenal Company 6445 Fulton Industrial Blvd (404) 344-3166
 Augusta 30901 Tool Service Center 302 Walton Way (706) 724-4803
 Byron 31008 A.T.I. Sales Company, Inc. 18 Valley Rd (478) 956-3860
 Columbus 31904 Phenix Saw Works 5101 14th Ave (706) 327-5671
 Rome 30165 Vast Industrial Supply 1709 Martha Berry Blvd (706) 291-4141
 Savannah 31401 The Tool Box, Inc. 439 A Telfair Rd (912) 238-5512
 Valdosta 31601 Whitehead Hardware Co. 104 S. Lee St (229) 242-3910

HAWAII

Anaheim, California 92801 Milwaukee Factory Service Center 1130 N Magnolia (800) 729-3878
 Honolulu 96819 F.K.S. Rentals & Sales 663 Kakoi St (808) 836-2961
 Honolulu 96819 Larsen's Tool Service 2126-B Eluene St (808) 847-0038
 Honolulu 96819 Slim's Power Tools, Inc. 1626 Republican St (808) 841-0902
 Kailua-Kona 96740 All-Trade Industrial Sply. 73-5563 Maiiau St (808) 329-0516
 Lihue 96766 Toolmaster Hawaii, Inc. 3061 Aukele St (808) 246-1000
 Wailuku 96793 Slim's Power Tools, Inc. 864 Alua St (808) 242-7878

IDAHO

Denver, Colorado 80204 Milwaukee Factory Service Center 2500 W 8th Ave, Unit E (800) 729-3878
 Boise 83706 KC Supply 5103 Irving St (208) 375-1313
 Coeur D'Alene 83814 Coeur D'Alene Power Tool 451 Cherry Ln (208) 667-1158
 Idaho Falls 83401 Rossiter Electric 1501 S. Capital (208) 523-4919

AUTHORIZED PORTABLE ELECTRIC TOOL SERVICE STATIONS — USA (continued)

IDAHO (continued)

Lewiston 83501.....	Hahn Supply Co. 2101 Main St	(208) 743-1577
Nampa 83651.....	Idaho Tool & Equipment 452 Caldwell Blvd	(208) 465-7533
Sun Valley 83353.....	KLM Inc. 210 Lewis	(208) 726-3180

ILLINOIS

Niles (Chicago), Illinois 60714 Milwaukee Factory Service Center 6310 Gross Point Rd. (800) 729-3878		
Fenton (St. Louis), Missouri 63026.. Milwaukee Factory Service Center 924 S Highway Dr (800) 729-3878		
Addison 60101.....	Hugo's Equipment Repair 415 W. Kay Ave	(630) 628-7977
Bloomington 61701.....	Clark & Barlow Hardware Co. 503 N. East St	(309) 828-3377
Champaign 61820.....	Illini Contractors Sply 811 Dennison Dr	(217) 355-0303
Chicago 60607.....	West Loop Tool Rental 1333 S. Jefferson Street	(312) 474-1155
Decatur 62521.....	Decatur Custom Tool 410 N. Jasper St	(217) 423-3639
Downers Grove 60515.....	Berland's House of Tools 1530 Centre Circle Dr	(630) 627-9090
East Peoria 61611.....	Central Tool & Equipment Corp. 900 S. Main	(309) 694-9100
Elk Grove Vlg 60007.....	Brock Tool Company 1475 Louis Ave	(847) 956-7200
Elmwood 61529.....	H & H Industrial Tool & Repair 114 N. Magnolia	(309) 742-8006
Freeport 61032.....	Precision Drive & Control 1650 S. Galena Ave	(815) 233-5000
Mc Cook 60525.....	Recco Tool & Supply 8805 Joliet Rd	(708) 442-7850
Mt. Vernon 62864.....	Holz Tool Supply 819 Broadway	(618) 242-4676
Peoria 61602.....	C & H Repair & Supply 2313-15 SW Adams St	(309) 676-3333
Quincy 62301.....	Bud & Ray's Repair 701 N. 5th St	(217) 223-2955
Schamburg 60193.....	All Power Tool, Inc. 921 Estes Ct	(847) 891-3375
Springfield 62702.....	James Machinery Inc. 223 N. MacArthur	(217) 522-4885
Steger 60475.....	Keith's Power Equipment 3701 Chicago Rd	(708) 755-2660

INDIANA

Niles (Chicago), Illinois 60714 Milwaukee Factory Service Center 6310 Gross Point Rd. (800) 729-3878		
Elkhart 46514.....	Dunlap Tool Repair & Sply. 53847 N. Park #A	(574) 262-8665
Evansville 47715.....	Bailey Tools & Sply 5716 E. Morgan Ave	(812) 475-1618
Fort Wayne 46805.....	Wagner Electric of Fort Wayne 3610 N. Clinton St	(260) 484-5532
Fort Wayne 46825.....	Mill Supplies Inc. 5105 Industrial Rd	(260) 484-8569
Goshen 46528.....	Industrial Motor & Tool 60282 County Rd 21	(574) 534-9391
Hammond 46325.....	Black Industrial Sply. Corp. 3600 Calumet Ave	(219) 932-8665
Indianapolis 46203.....	Anderson Bros. Tool Repair 3531 Southeastern Ave	(317) 356-6381
Indianapolis 46226.....	Mill Contractor & Industrial Sply 7522 Pendleton Pike	(317) 545-6904
Indianapolis 46254.....	Fastenal Company 5851 Guion Rd	(317) 280-2502
Jasper 47546.....	Industrial Tool Sales & Svc. 712 W. 6th Street	(812) 482-7895
La Porte 46350.....	Korit Sales 2045 N. 150 East	(219) 326-1851
Merrillville 46410.....	Leeps Supply Co. 8001 Tyler St	(219) 756-5337
Terre Haute 47807.....	Pro-Trade Tool & Sply. 1209 E. Poplar St	(812) 235-8665

IOWA

Brookfield (Milwaukee), WI 53005 Milwaukee Factory Service Center 4057 N 128th St (800) 729-3878		
Niles (Chicago), Illinois 60714 Milwaukee Factory Service Center 6310 Gross Point Rd. (800) 729-3878		
Algona 50511.....	Trupke Electric Motor & Svc. 600 Diagonal St	(515) 295-5242
Burlington 52601.....	Industrial Electric Motors 1511 Mt. Pleasant St	(319) 752-4917
Cedar Rapids 52404.....	Jim's Appliance Svc. 901 9th Street SW	(319) 364-0277
Cedar Rapids 52404.....	The Tool Hospital 830 33rd Ave	(319) 366-0731
Cedar Rapids 52406.....	Campbell Supply Company 2127 N. Town Lane NE	(319) 395-0991
Davenport 52802.....	The Tool Hospital 724 W. 2nd St	(563) 386-1533
Des Moines 50309.....	Puckett Tools & Fasteners 841-11th St	(515) 244-4189
Des Moines 50314.....	Diamond Industrial Tool 1415 2nd Ave	(515) 244-1516
Des Moines 50314.....	The Tool Hospital 1523 2nd Ave	(515) 282-3323
Iowa City 52240.....	Contractors Tool & Sply 1423 Water Front Dr	(319) 338-1121
Iowa City 52240.....	The Tool Hospital 2003 S. Gilbert St	(319) 339-0641

IOWA (continued)

Le Mars 51031.....	Nelson Electric 1400 Prospect St SW	(712) 546-9292
Muscatine 52761.....	Toolwise 403 C Cleveland Street	(563) 288-2646
Sioux City 51101.....	New Sioux City Iron Co. 310 S. Floyd Blvd	(712) 255-7696
Spencer 51301.....	Pixler Electric of Spencer 2601 Highway Blvd	(712) 262-1550
Tipton 52772.....	Tipton Electric Motors 107 W. 2nd St	(563) 886-3131
Windsor Heights 50312.....	Electrical Engineering 953 73rd St	(515) 273-0100

KANSAS

Denver, Colorado 80204 Milwaukee Factory Service Center 2500 W 8th Ave, Unit E (800) 729-3878		
Dodge City 67801.....	Southwind Sply 309 N. 14th St	(620) 225-4384
Garden City 67846.....	Midwest Electric Inc. 1620 Buffalo Jones Ave	(620) 275-6306
Olathe 66062.....	Heath Tool Sply 1485 E. 151st St	(913) 397-0001
Salina 67401.....	Mid-Kansas Tool Works 314 W. Cloud	(785) 825-6287
Topeka 66603.....	Salisbury Sply Co., Inc. 114 SE Quincy St	(785) 233-7411
Topeka 66608.....	White Star Machinery 121 E. Gordon	(785) 232-7731
Wichita 67217.....	Salisbury Sply Co., Inc. 2825 S. West St	(316) 944-0100

KENTUCKY

Fenton (St. Louis), Missouri 63026.. Milwaukee Factory Service Center 924 S Highway Dr (800) 729-3878		
Florence 41042.....	B & W Supply, Inc. 6702 Dixie Hwy	(859) 525-8715
Lexington 40509.....	Jiffy Tool Repair 1175 Brock McVey Tr.	(859) 252-1849
Lexington 40511.....	City Electric Motor Shop 631 Kennedy Rd	(859) 254-5581
Louisville 40217.....	Bailey Tools & Sply 1338 S. Shelby St	(502) 635-6348
Louisville 40217.....	Tool Repair Service 1200 Goss Ave	(502) 634-1931
Owensboro 42303.....	Electrical Equipment Rpr. 1330 E. 2nd St	(270) 684-5357
Paducah 42001.....	Warden Electric Company 604 N. 7th St	(270) 443-4622

LOUISIANA

Houston, Texas 77018..... Milwaukee Factory Service Center 3566 W T.C. Jester (800) 729-3878		
Baton Rouge 70806.....	The Tool Shed, Inc. 7835 Tom Dr	(225) 926-6500
Baton Rouge 70814.....	Southern Fastener & Tool 9440 Mammoth Dr	(225) 927-3333
Baton Rouge 70816.....	Fix-It Tool Repair, Inc. 10715 Cherry Hill Rd	(225) 296-0400
Harvey 70058.....	Industrial Welding Sply. 1452 Fourth St	(504) 362-9395
Houma 70364.....	Robert's Rpr, Rental & Retail 4919 LA Hwy 182	(985) 872-0896
New Iberia 70560.....	Voochie's Supply 401 W. St. Peter St	(337) 364-2431
New Orleans 70125.....	Beerman Precision Machine 4206 Howard Ave	(504) 486-9391
Shreveport 71101.....	McClamroch Tool Svc. 939 Louisiana Ave	(318) 222-9249
Shreveport 71101.....	All-Phase Motor Works 1616 Market St	(318) 221-8315
Sulphur 70663.....	Joe's Electric Power Tool 808 E. Carlton St	(337) 527-3020
West Monroe 71291.....	Tool Town 504 N. 7th St	(318) 329-2929

MAINE

College Point (New York), NY 11354..... Milwaukee Factory Service Center 131-27 31st Ave (800) 729-3878		
Bangor 04401.....	N.H. Bragg & Sons 92 Perry Rd	(207) 947-8611
Houlton 04730.....	Hogan Tire, Inc. 135 Bangor	(207) 532-2211
Lewiston 04240.....	Motor Power, Inc. 1505 Lisbon St	(207) 782-7017
Portland 04103.....	New England Tool Repair 128 Warren Ave	(207) 797-2733
Presque Isle 04769.....	Lynox Welding Sply 46 Industrial St	(207) 764-6511

MARYLAND

Broomall (Philadelphia), PA 19008..... Milwaukee Factory Service Center 800 Parkway Blvd (800) 729-3878		
Baltimore 21229.....	WTS, Inc. 4000 Coolidge Ave Unit C	(443) 543-0100
Baltimore 21237.....	Brock Tool Company 1200 66th St	(410) 483-4300
Cumberland 21502.....	Allegany Motor & Pump Svc. 130 Wineow St	(301) 777-0340
Elkridge 21075.....	Tool & Accessories 7585 Washington Blvd	(410) 796-4490
Frederick 21701.....	M & M Electric Motor Repair 205 Buheimer Rd	(301) 663-1100
Gaithersburg 20877.....	Waters' Appliance Svc. 216 E. Diamond Ave	(301) 258-7500

AUTHORIZED PORTABLE ELECTRIC TOOL SERVICE STATIONS — USA (continued)

MARYLAND (continued)

Upper Marlboro 20772.....Diamond Tool 8051 Penn Randall Pl (301) 967-2844
Westminster 21157.....Swain Portable Pwr. Tool Rpr. 1280 Landing Ln (410) 751-6802

MASSACHUSETTS

College Point (New York), NY 11354.....Milwaukee Factory Service Center 131-27 31st Ave (800) 729-3878
Billerica 01821.....BT & E Utility Products 13 Fortune Dr (978) 667-6100
Cohasset 02025.....Hingham Lumber Co. 165 Chief Justice Cushing Hwy (781) 749-4200
Danvers 01923.....Danvers Hardware 61-65 Maple St (978) 777-3718
Dorchester 02122.....Renner Colony Tool & Sply 305 Freeport St (508) 747-2112
Everett 02149.....Panda Electric Service 165 Main St (617) 389-1442
Fall River 02721.....Burns Power Tools 350 Mariano S. Bishop Blvd (508) 675-0381
Fitchburg 01420.....Shepard & Parker Inc. 18 Lincoln St (978) 343-3907
Holyoke 01040.....Reliance Electric Service 573 S. Canal St (413) 533-3557
Hyannis 02601.....Northeast Tool Sply 157 Thornton Dr (508) 778-4552
New Bedford 02746.....Beacon Lumber / ABG Corp. 1069 Shamut Ave (508) 995-6999
Norwell 02061.....J & B Power Equipment 5 Grove St (781) 878-1103
Plymouth 02360.....Renner Colony Tool & Sply 5 Robert J Way Camelot Pk (508) 746-2219
Quincy 02170.....Holmes Tool Repair 68 Beale St (617) 472-3850
Springfield 01105.....The Saw Center, Inc. 472 Main St (413) 734-2045
Stoughton 02072.....Kalman Electric Motors 471 Page St (781) 341-4900
Waltham 02454.....Pro Tools Inc. 126 Calvary St (781) 899-0790

MICHIGAN

Livonia (Detroit), Michigan 48150.....Milwaukee Factory Service Center 11871 Belden Ct (800) 729-3878
Alpena 49707.....Alpena Electric Motor Svc. 1521 M 32 West (989) 354-8780
Ann Arbor 48104.....McCally Tool Svc. 2451 S. Industrial (734) 747-8332
Bay City 48706.....Bay United Motors, Inc. 4353 E. Wilder Rd (989) 684-3972
Clinton Twpn 48038.....Butki Saw & Tool 20686 Hall Rd (586) 954-0300
Coldwater 49036.....C.E.M. Supply 178 W. Garfield Rd (517) 278-2611
Detroit 48203.....Re Nu Electric Co. 20163 John R St (313) 366-1570
Detroit 48234.....Electric Tool & Svc. 19442 Conant Ave (313) 366-3830
Escanaba 49829.....Bosk Tool Service 918 N. Lincoln Rd (906) 789-1112
Grand Rapids 49519.....Hoeksema Tool Service 2499 28th Street SW (616) 538-1870
Hancock 49930.....Gedda's Electrical Repair 715 Pine St (906) 482-5037
Kalamazoo 49001.....Kalamazoo Electric Motors 658 E. Vine (269) 345-7802
Kalamazoo 49001.....Midwest Electric Motor 2734 Miller Rd (269) 343-7090
Kingsford 49802.....Northern Tool & Sply 1021 Pyle Dr (920) 686-4429
Livonia 48152.....Marsh Power Tools, Inc. 20579 Middlebelt Rd (248) 476-7744
Midland 48640.....Mid-Michigan Repair Svc. 680 Poseyville Rd (989) 835-6014
Muskegon 49444.....Atlas Tool Service 2505 S. Getty St (231) 739-6555
Petoskey 49770.....Ed's Electric Appliance Svc. 3916 Charlevoix Rd (231) 347-9599
Port Huron 48060.....Marshall E. Campbell 2975 Lapeer Rd (810) 985-7106
Traverse City 49686.....Bridgeway Power 863 S. Airport Rd (231) 947-5824
Wixom 48393.....Northwest Tool Sply, Inc. 30270 Beck (248) 669-4040

MINNESOTA

Edina (Minneapolis), MN 55439.....Milwaukee Factory Service Center 5301 Edina Industrial Blvd (800) 729-3878
Brainerd 56401.....Lakes Motor & Tool 14507 Ironwood Ln. (218) 829-3546
Duluth 55806.....Diamond Drilling & Sply. 2916 W. 1st St (218) 628-3671
Grand Rapids 55744.....The Motor Shop 17 County Rd 63 (218) 326-4091
Granite Falls 56241.....Electric Motor Co. 750 Hwy 212 W (320) 564-3360
Maple Grove 55369.....GT Tool Corp. 11071 93rd Ave N. Ste C (763) 424-4019
Minneapolis 55407.....Deko Factory Svc. 3048 Bloomington Ave S. (612) 721-6651
Rochester 55901.....Thomas Tool & Sply 945 37th Ave NE (507) 281-3786
Sauk Rapids 56379.....Thomas Tool & Sply 1201 Lincoln Ave NE (320) 253-4526

MINNESOTA (continued)

St. Paul 55101.....Reeds Sales & Svc. 1260 Payne Ave (651) 774-9515
St. Paul 55108.....Trade Tools 2173 Energy Park Dr (651) 646-1808
Willmar 56201.....Northern States Supply, Inc. 600 Industrial Pk Rd (320) 235-0555
Winona 55987.....Fastenal 4730 Service Dr (507) 453-8282
Winona 55987.....Lackore Electric Motor Rpr. 108 W. 2nd St (507) 452-3103

MISSISSIPPI

Doraville (Atlanta), Georgia 30340.....Milwaukee Factory Service Center 3621 Clearview Pkwy (800) 729-3878
Gulfport 39503.....Beerman Precision Inc. 10031 Lorraine Rd (228) 896-1146
Hattiesburg 39403.....Garner Lumley Electric Sply 318 E. Pine St (601) 544-7388
Jackson 39203.....May & Company 838 W. Capitol St (601) 354-5781
Ridgeland 39157.....Brent's Appliance Svc. 626 Ridgewood Rd (601) 856-7370

MISSOURI

Fenton (St. Louis), Missouri 63026.....Milwaukee Factory Service Center 924 S Highway Dr (800) 729-3878
Blue Springs 64015.....Clark's Tool & Equipment 815-17 W. 40 Hwy (816) 228-9885
Cape Girardeau 63703.....Rental Land, Inc. 1922 Independence (573) 334-7186
Columbia 65202.....Automatic Tool & Fastener 1809 Santa Fe (573) 886-9777
Jefferson City 65109.....JC Industrial Sply. 706 Virginia St (573) 636-4171
Joplin 64804.....AI's Tool Repair 1623 S. Main (417) 781-5030
Kansas City 64108.....Construction & Industrial Sply 1901 McGee (816) 842-7777
Kansas City 64108.....Heath Sales & Svc. 518 E. 16th St (816) 421-3330
N. Kansas City 64116.....Heath Sales & Svc. 1246 Swift (816) 471-8665
Springfield 65802.....The Tool Hospital 423 N. Belcrest (417) 831-0954
Springfield 65806.....HK & W Inc. 610 W. Chestnut St (417) 869-7624
St. Charles 63301.....Tool Service Center 2431 Raymond Dr (636) 940-2525
St. Louis 63123.....Inventory Sales Co. 9777 Reavis Rd (314) 776-6200
St. Louis 63139.....P.M. Electric Company 5280 Fyler Ave (314) 351-4550

MONTANA

Denver, Colorado 80204.....Milwaukee Factory Service Center 2500 W 8th Ave, Unit E (800) 729-3878
Billings 59102.....Teds Electric Svc. 102 11th Street W (406) 259-6418
Black Eagle 59414.....Mosch Electric Co. 2513 17th Street NE (406) 453-2481
Missoula 59801.....Hellgate Tool Repair 2006 North Ave W (406) 549-3067
Whitefish 59937.....Northwest Tool Repair 1000 Baker Ave (406) 862-6275

NEBRASKA

Denver, Colorado 80204.....Milwaukee Factory Service Center 2500 W 8th Ave, Unit E (800) 729-3878
Beatrice 68310.....Jesco Electric Sply 1420 N. 7th St (402) 228-3363
Columbus 68601.....Tool Shed of Columbus 3121 13th St (402) 562-7606
Grand Island 68803.....Centaur Enterprises 214 N. Arthur St (308) 384-8087
Grand Island 68803.....Construction Rental, Inc. 3505 W. Old Potash Rd (308) 384-9077
Kearney 68847.....Tool Doctor 607 Avenue D (308) 237-0802
Lincoln 68508.....The Tool House 800 Q St (402) 474-5322
Lincoln 68521.....The Tool Hospital 1720 Adams St (402) 435-2996
North Platte 69101.....Knapp Electric Inc. 1900 E. 4th St (308) 532-4840
Omaha 68117.....Tighten Fastener 6620 'F' St (402) 331-5550
Omaha 68127.....Flohr Electric Svc. 4356 S. 90th St (402) 331-6863
Omaha 68127.....Thacker Electric 8517 'I' St (402) 592-9433
Omaha 68127.....The Tool Hospital 9447 'J' St (402) 592-5220
Scottsbluff 69361.....Contractors Materials 117 S. Bellline Hwy (308) 632-5631

NEVADA

Anaheim, California 92801.....Milwaukee Factory Service Center 1130 N Magnolia (800) 729-3878
Las Vegas 89106.....Steel Engineers, Inc. 716 W. Mesquite (702) 386-0023
Las Vegas 89109.....Tool Services, Inc. 3239 Industrial Rd (702) 734-9161
Las Vegas 89188.....Commercial Hardware 3725 W. Russell Rd (702) 736-0007

AUTHORIZED PORTABLE ELECTRIC TOOL SERVICE STATIONS — USA (continued)

NEVADA (continued)

Reno 89502Titan Construction Sply. 250 Edison Way (775) 351-2201
 Sparks 89431Industrial Equipment Rpr, Inc. 310 Kresge Ln (775) 331-1032

NEW HAMPSHIRE

College Point (New York), NY 11354..... Milwaukee Factory Service Center 131-27 31st Ave (800) 729-3878
 Exeter 03833Minuteman Tool Rpr 96 Epping Rd (866) 664-6883
 Manchester 03103ADM Tool Service 91 Maple St (603) 623-8724
 Plaistow 03865125 Tools Inc. 111 Plaistow Rd (603) 382-3113
 Somersworth 03878Tri-City Tool Crib 439 Route 108 (603) 335-2582

NEW JERSEY

College Point (New York), NY 11354..... Milwaukee Factory Service Center 131-27 31st Ave (800) 729-3878
 Broomall (Philadelphia), PA 19008.... Milwaukee Factory Service Center 800 Parkway Blvd (800) 729-3878
 Clifton 07011The Tool Box 119 Lakeview Ave (973) 340-7652
 E. Orange 07019.....Von Rohr Equipment 2 New Main St (973) 748-9111
 Fair Lawn 07410.....Bergen County Motor & Tool 17-16 River Rd (201) 796-3006
 Fairfield 07004.....Tri Mount Corp. 327 Passaic Ave (973) 575-5606
 Gloucester Cty 08030.....Industrial Services & Sply 502 S. Broadway (856) 456-0336
 Neptune 07753Power Tool Company 609 Memorial Dr (732) 776-8282
 Roselle 07203Air & Electric, Inc. 130 W. 3rd Ave (908) 241-6930
 Saddlebrook 07663.....Tools For The Trade 280 Midland Ave (201) 791-6112
 Trenton 08619.....Sinclair Industrial Sply. 93 2nd Ave (609) 586-2077
 Union 07083Force Machinery 2271 Rt 22 W (908) 688-8270

NEW MEXICO

Denver, Colorado 80204 Milwaukee Factory Service Center 2500 W 8th Ave, Unit E (800) 729-3878
 Dallas, Texas 75247 Milwaukee Factory Service Center 400 W Mockingbird Ln (800) 729-3878
 Albuquerque 87107Franks Supply Co. 3311 Stanford Dr NE (505) 884-0000
 Albuquerque 87107Martin Saw & Tool 3310 Stanford Dr NE (505) 888-1675
 Albuquerque 87107Telco Electric Inc. 2906 4th NW R Station (505) 345-2426
 Farmington 87401Franks Supply Co. 2655 E. Bloomfield Hwy (505) 327-9831
 Farmington 87401Marquez Industrial Rental & Rpr. 311 W. Cedar (505) 326-4516
 Gallup 87301Four Corners Welding & Gas 606 E. Hwy 66 (505) 722-3845
 Las Cruces 88001Aire-Hydraulics Co. 900 S. Solano (505) 523-5636

NEW YORK

College Point (New York), NY 11354..... Milwaukee Factory Service Center 131-27 31st Ave (800) 729-3878
 Broomall (Philadelphia), PA 19008.... Milwaukee Factory Service Center 800 Parkway Blvd (800) 729-3878
 Albany 12206Sheilds Sales Corp. 45 Industrial Pk Rd (518) 436-8402
 Amherst 14226Philipps Brothers Sply. 2525 Kensington Ave (716) 839-4800
 Binghamton 13904Hulbert Electric Inc. 78 Travis Ave (607) 724-3968
 Brooklyn 11204.....J & A Repair Shop 6206 20th Ave (718) 232-5746
 Brooklyn 11208White Tool & Sply 3047 Atlantic Ave (718) 277-8844
 Buffalo 14204United / Richter Electric Mtrs 106 Michigan Ave (716) 855-1945
 Buffalo 14210.....S & S Electric Repair Shop 2470 Seneca St (716) 823-1232
 Cheektowaga 14225Air Tool Repair 160 Holtz Dr (716) 631-9010
 Glens Falls 12801.....J.E. Sawyer & Company 64-90 Glen St (518) 793-4104
 Jamestown 14701Blose Tool Repair 1487 Foote Ave Ext (716) 487-1922
 New Hyde Pk 11040.....Eastern Industrial Equipment 2231 Jericho TrnPk (516) 741-3198
 New York 10019.....T.P. Rental Services 417 W. 50th St (212) 713-1999
 Newburgh 12550.....Precision Propeller Rpr 135 S. Williams St (845) 562-3880
 Peekskill 10566Peekskill Electric Motor Rpr 13 S. Broad St (914) 737-4141
 Rochester 14608.....Jackson Saw & Knife 517 State St (585) 546-7485
 Rochester 14611.....Hanes Supply 10 Cairn St (585) 235-0160
 Southampton 11968One Source Tool Sply 341 County Rd 39 A Ste #1 (631) 283-8700
 Staten Island 10309H & E Tool Rental Corp. 6451 Amboy Rd (718) 948-0505

NEW YORK (continued)

Syracuse 13204.....Ramsing Electric Rprs 914 Emerson Ave (315) 468-1712
 Utica 13503McQuade & Bannigan, Inc. 1300 Stark ST (315) 724-7119
 Wantagh 11793.....Ace Tool Repair, Inc. 2201 Wantagh (516) 783-8899
 Wappingers Fls 12590.....B.C. Electric & Air 885 Route 376 (845) 227-8289
 West Islip, LI 11795Sunrise Tool Service 124 Sunrise Hwy (631) 661-5548

NORTH CAROLINA

Doraville (Atlanta), Georgia 30340 Milwaukee Factory Service Center 3621 Clearview Pkwy (800) 729-3878
 Asheville 28801.....B & K Tool Sply 268 Biltmore Ave (828) 254-5763
 Burlington 27215.....Paynes Power Tools 3325 S. Church St. (336) 227-1031
 Charlotte 28206Portable Tool Service 3209 Cullman Ave (704) 332-8337
 Charlotte 28273Carolina Industrial Tools 10825 Texland Blvd (704) 588-4490
 Greensboro 27405.....Tool & Equipment Sply 807 Huffman St (336) 275-6124
 Greensboro 27407Ensco Supply 825 Norwalk St (704) 398-5600
 Hickory 28602.....Power Tool Electric Equip. 442 Highland Ave SE (828) 327-8400
 High Point 27262Piedmont Electric Repair 208 Lindsay St (336) 889-0222
 Raleigh 27604Speciality Tool Service 2420 Atlantic Ave (919) 833-5903
 Wilmington 28403American Tool & Tractor 1950 Dawson St (910) 251-0259
 Winston-Salem 27105Fastenal Company 301 Perimeter Point Blvd (336) 767-9355
 Winston-Salem 27106Piedmont Pwr Machine Svc. 4994 C Indiana Ave (336) 759-2022

NORTH DAKOTA

Edina (Minneapolis), MN 55439 ... Milwaukee Factory Service Center 5301 Edina Industrial Blvd (800) 729-3878
 Bismarck 58501Tool Crib of the North 3840 E. Rosser Ave. (701) 258-1267
 Dickinson 58601.....Fix It Shop 316 21st Street E (701) 225-0766
 Fargo 58102.....Northern States Sply 1226 38th Street N (701) 282-2088
 Fargo 58103Tool Crib of the North 920-36th St SW (701) 476-4620
 Grand Forks 58203Tool Crib of the North 1705 13th Ave N (701) 746-6481
 Minot 58701Tool Crib of the North 700 20th Ave SE (701) 839-2263

OHIO

Cleveland, Ohio 44125..... Milwaukee Factory Service Center 7600 Wall St (800) 729-3878
 Akron 44314.....Fastenal Company 940 W. Wilbeth Rd (330) 745-2996
 Archbold 43502.....Welding & Construction Sply 700 E. Lugbill Dr (419) 445-2045
 Beaver Creek 45434Authorized Tool Service 2210 Heller Dr (937) 429-5593
 Cincinnati 45202Cincinnati Electric Repair 2023 Elm St (513) 621-2183
 Cleveland 44109Tri County Power Tool 4597 Pearl Rd (216) 398-6120
 Cleveland 44114Kay Dee Electric Motor Rpr 5466 Lake Ct (216) 881-2565
 Coldwater 45828Lefeld Welding & Steel Sply 600 N. Second St (419) 678-2397
 Columbus 43209Spartan Tool Company 1660 Alum Creek Dr (614) 443-7607
 Columbus 43215Central Ohio Power Tool 1042 Dublin Rd (614) 481-2111
 Dayton 45403.....M & R Electric Motor Svc. 1516 E. Fifth St (937) 222-6282
 Findlay 45840McNaughton-McKay Electric 1950 Industrial Dr (419) 422-2984
 Hartville 44632.....Hartville True Value 940 W. Maple St (330) 877-3631
 Holland 43528Power Tool Sales & Svc. 6713 Angola Rd (419) 868-8665
 Leipsic 45856.....Village True Value #204703 855 W. Main St (419) 943-2501
 Lima 45801Lima Armature Works, Inc. 142 E. Pearl St (419) 222-4010
 Marietta 45750American Producers Sply 119 2nd St (740) 373-5050
 Maumee 43537Electric Tool & Equipment 3637 Briarfield Blvd (419) 867-7670
 New Philadelphia 44663.....Fenton Brothers Electric 235 Ray Ave NE (330) 343-8858
 Sharonville 45241Tool House, Inc. 11909 Tramway Dr (513) 821-3000
 Sheffield Lake 44054Abbe Road Lumber 185 Abbe Rd (440) 949-6111
 Steubenville 43952.....General Rental, Inc. 1606 Sunset Blvd (740) 282-9588
 Strongsville 44149Mek-Elek of Ohio 19097 Drake Rd (440) 238-1919
 Sylvania 43560Michigan Saw & Cutter 5559 Alexis Rd (419) 882-4097

AUTHORIZED PORTABLE ELECTRIC TOOL SERVICE STATIONS — USA (continued)

OHIO (continued)

Toledo 43609Cobra Equipment Co. 611 Daniels (419) 241-2001
 Willoughby 44094.....The Tool Shop, Inc. 38130 Airport Pkwy (440) 946-9950
 Wooster 44691Albright Welding & Sply 3132 E. Lincoln Way (330) 264-2021
 Youngstown 44512.....Pennsylvania Tool Sales & Svc. 625 Bev Rd (330) 758-0845
 Youngstown 44515Power Tool & Sply. 3699 Leharps Rd (330) 792-1487

OKLAHOMA

Dallas, Texas 75247 Milwaukee Factory Service Center 400 W Mockingbird Ln (800) 729-3878
 Altus 73521.....Kay Electric 1101 W. Broadway (580) 482-1757
 Enid 73701.....Enid Electric Motor Svc. 1406 N. 4th St (580) 234-8622
 Oklahoma City 73106.....Commercial Tool Rpr 1829 Linwood (405) 232-2158
 Oklahoma City 73106.....Whitton Supply Co. 1419 W. Reno (405) 236-5561
 Stillwater 74076.....Ewing Electric Motor Co. 1023 S. Perkins Rd (405) 372-2078
 Tulsa 74115Allied Tool, Inc. 8911 E. Admiral Pl (918) 836-3939

OREGON

Anaheim, California 92801..... Milwaukee Factory Service Center 1130 N Magnolia (800) 729-3878
 Bend 97702.....Trade-N-Tools 61406 S. Hwy 97 (541) 382-0653
 Eugene 97402.....Jim's Tool Service 515 Wilson St (541) 344-1243
 Portland 97214Charles H. Day Co. 602 SE 11th Ave (503) 232-1659
 Redmond 97756.....Dave's Tool Repair 2392-5 S. Hwy 97 (541) 548-0510
 Redmond 97756.....Redmond Tool & Supply 1037 N. Hwy #97 (541) 504-8283

PENNSYLVANIA

Cleveland, Ohio 44125..... Milwaukee Factory Service Center 7600 Wall St (800) 729-3878
 Broomall (Philadelphia), PA 19008.... Milwaukee Factory Service Center 800 Parkway Blvd (800) 729-3878
 Abington 19001.....Repair Unlimited, Inc. 1730 Rockwell Rd (215) 657-3335
 Bellefonte 16823.....Triangle Building Sply 1076 E. Bishop St (814) 355-7368
 Bethlehem 18017.....Albarell Electric 1523 Easton Ave (610) 691-7030
 Carlisle 17013.....Estep Electrical Services 501 E. Louthier St (717) 249-2698
 Chambersburg 17201.....S & S Electric Motors 125 Falling Springs Rd (717) 263-1919
 Chester 19013.....Jekk Tools & Fasteners 729 W. Second St (610) 874-6200
 Doylestown 18901.....Paul B. Moyer & Sons 190 S. Clinton St (215) 348-1270
 Ephrata 17522.....Sensenig's Electronic Rpr 215 Sensenig Rd (717) 445-9905
 Erie 16501Perry Mill Sply Co 1115 W. 12th St (814) 453-5641
 Frazer 19355.....Contractor's Choice 600 Lancaster Ave (610) 408-0195
 Hanover 17331.....C & E Pneumatic Svc. 301 Poplar St (717) 632-4261
 Jessup 18434.....Fastenal 1225 Mid Valley Dr (570) 307-0992
 Latrobe 15650.....Latrobe Tool Service 214 A Route 30 E (724) 532-1411
 Mechanicsburg 17055.....Drivekore Repair 101 Wesley Dr (717) 766-7636
 Monroeville 15146.....Professional Tool Svc 700 Seco Rd (412) 373-7440
 Northampton 18067.....Hafner & Son Inc. 90 Atlas Rd (610) 262-4805
 Philadelphia 19123.....Ideal Tool & Fastener 456 N. 8th St (215) 925-0672
 Shippensburg 17257.....Martin's Electric 575 Britton Rd (717) 530-8450
 Shoemakersville 19555.....Industrial Equipment Corp. 846 N. Main St (610) 562-2700
 St. Marys 15857.....Burkes Home Center Rte 255 Million Dollar Hwy (814) 781-1519
 Stroudsburg 18360.....Stroudsburg Electric Mtr Svc 756 Phillips St (570) 421-8909
 Wilkes Barre 18702.....T.E.A.M. Supply 1548 Hwy 315 (570) 826-0439
 York 17402.....General Tool & Rpr. 2449 S. Queen St (717) 741-9592

RHODE ISLAND

College Point (New York), NY 11354..... Milwaukee Factory Service Center 131-27 31st Ave (800) 729-3878
 E. Providence 02914.....Renner Colony Tool Sply 1033 Waterman Ave (401) 438-7890
 Warwick 02887Electric Motor Svc & Sales 3070 Post Rd (401) 737-2534

SOUTH CAROLINA

Doraville (Atlanta), Georgia 30340 Milwaukee Factory Service Center 3621 Clearview Pkwy (800) 729-3878
 Anderson 29625Trado Supplies Inc. 1015 Whitehall Rd (864) 225-4438
 Bluffton 29910.....Anchor Hardware, Inc. 9 Kitties Landing Rd (843) 815-9264
 Charleston 29405.....Tri County Tool Rpr Center 1900 Discher St (843) 554-9005
 Columbia 29201.....Richland Industrial, Inc. 919 Catawba St (803) 252-3360
 Greenville 29609.....The Tool Shed, Inc. 901 Poinsett Hwy (864) 233-6185
 Myrtle Beach 29577.....Coastal Electric & Rewinding 928 Ocoela St (843) 448-3586
 Spartanburg 29302.....Power Tool Services 200 Forest Ave (864) 585-9328
 Spartanburg 29303.....Carson's Nut, Bolt & Tool 522 Broadcast Dr (864) 585-9686
 West Columbia 29169.....Mann Electric Repair 802 Chris Dr (803) 252-7777

SOUTH DAKOTA

Edina (Minneapolis), MN 55439 ... Milwaukee Factory Service Center 5301 Edina Industrial Blvd (800) 729-3878
 Aberdeen 57401Dakota Air & Tool 2323 Hwy 12 W (605) 229-6658
 Rapid City 57702.....Stan Houston Equip. 1210 Deadwood Ave (605) 348-1155
 Sioux Falls 57106.....Stan Houston Equip. 501 S. Marion Rd (605) 336-3736
 Watertown 57201.....Ron's Electric Motor 915 6th Ave SE (605) 886-7893

TENNESSEE

Doraville (Atlanta), Georgia 30340 Milwaukee Factory Service Center 3621 Clearview Pkwy (800) 729-3878
 Chattanooga 37404Dixie Industrial Svc. 2108 E. Main St (423) 698-8063
 Cleveland 37320.....Jerry's Electric Mtr Svc. 433 Broad St (423) 472-5959
 Hendersonville 37075.....ToolServe 108 Midtown Court (615) 826-4770
 Jackson 38301.....Smith Tool Service 908 S. Highland Ave (731) 427-4012
 Johnson City 37601.....East Tennessee Rent-Alls 3605 Bristol Hwy (423) 282-3221
 Knoxville 37918.....Automated Controls & Tech. 4821 N. Broadway (865) 688-3574
 Memphis 38106.....Power Tools Inc. 1200 S. Bellevue Blvd (901) 774-1212
 Memphis 38126.....Authorized Equipment Svc. 812 Polk Ave (901) 774-0850
 Nashville 37210.....Hermitage Tool, Inc. 1034 4th Ave S (615) 254-0820
 Nashville 37210.....Reeves Power Tool Rpr. 108 Lafayette St (615) 256-8817
 Nashville 37210.....Tool-Smith Company 665 Massman Dr (615) 883-4833

TEXAS

Dallas, Texas 75247 Milwaukee Factory Service Center 400 W Mockingbird Ln (800) 729-3878
 Houston, Texas 77018..... Milwaukee Factory Service Center 3566 W T.C. Jester (800) 729-3878
 San Antonio, Texas 78216..... Milwaukee Factory Service Center 231 E Nakoma - Ste 100 (800) 729-3878
 Abilene 79605.....Professional Hardware 2442 Industrial Blvd (915) 692-5881
 Amarillo 79102.....Reids Appliance Svc 906 Georgia (806) 373-8812
 Amarillo 79107.....Tascosa Tool Svc 306 N. Fillmore (806) 373-3474
 Austin 78722.....Hamilton Electric Works 3800 Airport Blvd (512) 472-2428
 Austin 78745.....Applied Tool & Sply 515 Industrial Blvd (512) 448-0101
 Austin 78745.....Austin Tool, Inc. 210 Industrial Blvd (512) 447-4905
 Austin 78758.....The Tool Box 9906 Gray Blvd (512) 836-5483
 Beaumont 77701.....Newton Rental Tool 620 MLK Pky (409) 835-3979
 Bryan 77803.....Bailey Oxygen & Tool 812 S. Bryan St (979) 779-7154
 Carrollton 75007.....Fastenal Company 1432 MacArthur Dr (972) 466-0593
 Conroe 77301.....Able Fastening Systems 217 N. Frazier (936) 756-4115
 Corpus Christi 78405.....Corpus Christi Pwr Tool 3701 Agnes (361) 883-1117
 Corpus Christi 78405.....Otto Dukes Machinery Co. 2556 Agnes St (361) 883-0921
 Del Rio 78840.....Tino's Electric Shop 1309 Avenue G (830) 774-6700
 El Paso 79915.....Southwestern Industrial Fstrns 924 Tony Lama (915) 592-5859
 El Paso 79925.....Tool World 1160 Airway (915) 779-5616
 El Paso 79935.....Fasteners, Inc. 11220 Rojas, Ste A-7 (915) 599-2677

AUTHORIZED PORTABLE ELECTRIC TOOL SERVICE STATIONS — USA (continued)

TEXAS (continued)

Eules 76040	North Texas Tool Svc. 1118 S. Airport Circle Ste 140	(817) 399-8665
Fort Worth 76110	Air & Electric Tool Co. 3301 S. Grove St	(817) 921-0231
Harlingen 78550	Harlingen Bolt & Sply 101 S. Expressway 77	(956) 421-3363
Houston 77003	Power Tool Svc Co. 3718 Polk Ave	(713) 228-0100
Houston 77003	Tool Mart Inc. 2412 Texas Ave	(713) 222-8665
Houston 77003	Tool Tech 3406 McAshan	(713) 223-1922
Houston 77007	K-Pal Tools 5000 Katy Freeway	(713) 861-2364
Houston 77020	Tricon Tool & Sply 5809 Clinton Dr	(713) 678-7444
Houston 77091	Nationwide Tools & Splys 6100 N. Shepard Dr	(713) 697-6245
Kerrville 78028	Lopez Electric Works 865 Stoneleigh Rd. N.	(830) 634-3379
Killeen 76541	Bill's Repair Svc 112 N. 4th St	(254) 634-2960
Kilgore 75662	D & D Industrial Welding Sply Hwy 42 @ Cargill Rd	(903) 984-1764
Longview 75603	Sobol Welders Sply 1410 F-M Rd 1845	(903) 757-3800
Lubbock 79411	Lubbock Electric Co. 1108 34th St	(806) 744-2336
Lubbock 79412	Caprock Equipment Svc & Sply 2112 50th St	(806) 747-9177
McAllen 78501	Rio Grande Plumbing Sply 1010 E. Pecan	(956) 686-9557
Odessa 79764	McCord Pump & Sply 3711 Brazos	(915) 362-4611
Pasadena 77506	Industrial Air Tool-Pasadena 513 Vermillion	(713) 477-3144
Plano 75074	American Tool & Fastener 1331 E. Plano Pky	(972) 231-0618
San Angelo 76904	J & T Welding 5294 Old Cristoval Rd	(915) 651-1801
San Antonio 78205	Electric Motor Svc & Sales 1514 E. Commerce St	(210) 226-3462
Sherman 75090	Texoma Tool Repair 308 E. Houston St	(903) 892-1510
Texas City 44590	Mainland Tool & Sply 2122 5th Ave S	(409) 948-4497
Tyler 75702	Mason Machinery Co. 1908 W. Erwin St	(903) 592-6581
Victoria 77901	Easley Building Specialities 1509 Port Lavaca Dr	(361) 575-7476
Waco 76706	Power Tool Repair 6919 S. 3rd Street Rd	(254) 662-5969
Waco 76707	Ludwig Saw & Tool Sharpening 1701 Maple Ave	(254) 754-6951
Weatherford 76086	Jobsite Sales & Tool Rpr 1327-A Fort Worth Hwy	(817) 613-0940

UTAH

Denver, Colorado 80204	Milwaukee Factory Service Center 2500 W 8th Ave, Unit E	(800) 729-3878
Bountiful 84010	Bountiful Tool Repair 543 W. 100 North	(801) 292-7331
Logan 84321	Glenn's Electric Mtr & Sply 501 N. Main St	(435) 752-4178
Logan 84321	Industrial Tool & Supply 839 N. Main	(435) 753-4256
Ogden 84401	Johnson Electric Motor 2925 S. Commerce Way	(801) 621-3853
Orem 84058	Bonneville Industrial Sply 45 S. 1500 W	(801) 225-7770
Salt Lake City 84115	Diamond Electric Motor 1465 S. 300 W.	(801) 484-4325
Salt Lake City 84115	M & M Tool & Machinery 1773 S. 300 W	(801) 485-8200

VERMONT

College Point (New York), NY 11354	Milwaukee Factory Service Center 131-27 31st Ave	(800) 729-3878
Essex 05452	Burlington Tool Rpr 3 Kellog Rd	(802) 872-0051
Fairlee 05045	Tool Barn, Inc. Route 5 North	(802) 333-9311
Johnson 05656	Johnson Hardware 1442 Route 15 West	(802) 635-7282
S. Barre 05670	Reynolds & Son 47 Bridge St	(802) 479-0101

VIRGINIA

Broomall (Philadelphia), PA 19008	Milwaukee Factory Service Center 800 Parkway Blvd	(800) 729-3878
Charlottesville 22901	Piedmont Tool Repair 2811-D Hydraulic Rd	(434) 817-3090
Dublin 24084	Dublin Tool & Supply 101 Town Center Dr	(540) 674-5784
Hampton 23661	Arcet Equipment #3 Lockwood Dr	(757) 728-9353
Harrisonburg 22801	GLS Tool Clinic 3075 Old 33	(540) 434-6151
Leesburg 20175	B & B Appliance & Lawn Equip. 71 Lawson Rd Unit C	(703) 777-1093
Lynchburg 24501	Arcet Equipment 3416 Odd Fellows Rd	(434) 847-1234
Manassas Park 20111	Arcet Equipment 8399 Euclid Ave	(703) 361-0109

VIRGINIA (continued)

Norfolk 23517	Bryan Electric Co. 424 W. 25th St	(757) 625-2525
Richmond 23220	Staley Company 1000 W. Roberts St	(804) 321-6595
Roanoke 24012	Marco Supply Co. 812 Pocahontas Ave NE	(540) 344-6211
Roanoke 24017	Contractors & Industrial Sply 3304 Salem Turnpike NW	(540) 342-5348
Roanoke 24017	Rent-Alls of Roanoke, Inc. 604 11th St NW	(540) 345-0184
South Boston 24592	Bo's Hydraulics 1138 Huell Matthews Hwy	(434) 575-7506
Winchester 22603	Winchester Electric Svc 120 Fort Collier Rd	(540) 667-2040

WASHINGTON

Anaheim, California 92801	Milwaukee Factory Service Center 1130 N Magnolia	(800) 729-3878
Bellevue 98005	Power Tool Service 12121 Northup Way	(425) 453-8015
Bellingham 98225	Pro Tool of Bellingham 2238 James St	(360) 733-7343
Burien 98166	The Tool Service Center 630 SW 153rd Ste B	(206) 439-7804
Fife 98424	Tap Tool 1401 52nd Ave E	(253) 922-5787
Longview 98632	C & H Wholesale 1160 3rd Ave	(360) 423-6496
Pasco 99301	Milne Power Tool Repair 1303 W. Lewis	(509) 547-7834
Port Angeles 98362	Sunset Wire Rope 518 Marine Dr	(360) 457-3369
Poulsbo 98370	The Electrical Shop 19559-D Viking Way	(360) 697-4454
Seattle 98125	Tool Pros 10334 Lake City Way NE	(206) 525-6448
Spokane 99202	Power Tool Svc. 1902 E. Mission	(509) 535-1754
Spokane 99202	Safway Supply 1503 E. Riverside	(509) 535-9841
Spokane 99202	Spokane Power Tool E. 801 Trent	(509) 489-4202
Spokane 99212	Air Electric Tools & Svc 5603 E. 3rd Ave	(509) 534-3698
Tacoma 98409	Center Electric 1212 S. 30th St	(253) 383-4416
Tumwater 98501	Coastal Tool & Rpr 715-C 78th Ave SW	(360) 956-1973
Wenatchee 98801	Tool Mart 154 Marr St	(509) 664-6606
Yakima 98902	Tri-State Supply Co. 205 S. 4th Ave	(509) 452-9550

WEST VIRGINIA

Broomall (Philadelphia), PA 19008	Milwaukee Factory Service Center 800 Parkway Blvd	(800) 729-3878
Cleveland, Ohio 44125	Milwaukee Factory Service Center 7600 Wall St	(800) 729-3878
Beckley 25801	Air-Tech Tool Svc. 325 City Ave	(304) 253-6799
Huntington 25701	Lawter Electric Motor 202 Adams Ave	(304) 522-8297
Martinsburg 25401	Biedlers Electric Mtr Rpr 194 Hack Wilson Way	(304) 263-9995

WISCONSIN

Brookfield (Milwaukee), WI 53005	Milwaukee Factory Service Center 4057 N 128th St	(800) 729-3878
Edina (Minneapolis), MN 55439	Milwaukee Factory Service Center 5301 Edina Industrial Blvd	(800) 729-3878
Eau Claire 54701	Tools Plus 2501 E. Clairemont Ave	(715) 831-0700
Green Bay 54301	Power Tool Svc. Co. 300 N. Webster Ave	(920) 437-2594
La Crosse 54601	Lackore Electric Motor Rpr. 4102 Mormon Coulee Ct	(608) 782-7635
Madison 53713	Jet Power Tool Rpr 970 Jonathon Dr	(608) 271-2315
Menomonee Falls 53051	Neu's Building Center N95 W16915 Richfield Way	(262) 251-6550
Monroe 53566	Precision Drive & Control 504 11th St	(608) 328-5600
Neenah 54956	Alferi Industrial Sales 346 Smith St	(920) 722-6483
Pewaukee 53072	Jensen Equipment N27 W23015 Roundy Dr	(262) 547-5548
Racine 53403	Machinery & Factory Ind. Sply 1021 6th St	(262) 634-5533
Rice Lake 54868	Moberg Electric 1763-20 1/2 St	(715) 234-7961
Wisconsin Rapids 54495	Wisconsin Valley Concrete 610 McKinley	(715) 423-7500

WYOMING

Denver, Colorado 80204	Milwaukee Factory Service Center 2500 W 8th Ave, Unit E	(800) 729-3878
Evanston 82930	J.C. Electric 198 County Rd	(307) 789-4650

AUTHORIZED PROFESSIONAL 9500 SERIES HOIST SERVICE STATIONS — USA

REFER TO THE FOLLOWING AUTHORIZED SERVICE STATIONS FOR WARRANTY SERVICE ON YOUR MILWAUKEE 9500 SERIES HAND CHAIN, HAND LEVER OR ELECTRIC HOIST

ALABAMA

Birmingham 35233.....Tool Smith Co. 1300 4th Avenue S. (205) 323-2576

ARIZONA

Tucson 85714.....Mechanics Tool Service 1301 E. Apache Park Place (520) 889-8484

ARKANSAS

Mabelville 72103.....Handling Systems & Conveyors Inc. 10909 E. Otter Creek Rd (501) 455-5898

N. Little Rock 72114.....Hi-Speed Hoist & Crane 701 Maple Street (501) 375-9178

CALIFORNIA

Santa Fe Springs 90670.....Arrow Crane Hoist Corp. 12714 S. Carmenita Rd. (562) 921-8328

San Leandro 94577.....Craneworks, Inc. 2585 Nicholson Street (510) 357-4000

Lapalma 90623.....Idg California 6842 Walker Street (714) 994-6960

Santa Fe Springs 90670.....Kimmerle Brothers, Inc. 12060 E. Florence Street (562) 946-6771

San Francisco 94103.....Kimmerle Brothers, Inc. 226 11th Street (410) 431-1163

Fresno 93721.....Kimmerle Brothers, Inc. 337 M Street (559) 233-1278

COLORADO

Littleton 80125.....Crane Repair Co. 3718 Norwood Drive (303) 791-7918

FLORIDA

Kissimmee 32741.....J. Herbert Corp. 1751 S. John Young Parkway (407) 846-0588

Dania 33004.....Material Handling Systems 720 S.W. 4th Court (954) 921-1171

GEORGIA

Norcross 30093.....Ace Industries Inc. 6295 Mcdonough Drive (770) 441-0898

ILLINOIS

Woodale 60191.....Industrial Tool Products 919 N. Central Ave. (630) 766-4040

Forest Park 60130.....Sievert Electric Service 1230 S. Hannah (708) 771-1600

INDIANA

Indianapolis 46225.....Brehob Corp. 1334 S. Meridian St. (317) 231-8080

Fort Wayne 46803.....Material Handling Equipment 7433 Us 30 East (219) 749-0475

IOWA

Davenport 52808.....Alter & Sons, Inc. 514 S. Howell St. (563) 323-3601

Kentucky

Louisville 40206.....Advanced Sherman 330 North Spring St. (502) 896-2166

Louisiana

Baton Rouge 70815.....Drillco 12649 S. Choctaw Dr. (225) 272-8251

West Lake 70669.....Rental Service 3301 Cities Service Hwy. (337) 882-6011

MICHIGAN

Fraser 48026.....Continental Crane & Service Co. 33681 Groesbeck Hwy. (586) 293-3870

Muskegon 49442.....Stewart Engineering & Sales 2140 Aurora Ave. (231) 767-2140

Minnesota

Minneapolis 55411.....Electric Motor Repair, Inc. 2010 N. 4th Street (612) 522-3318

Bloomington 55420.....J & B Equipment 8200 Grand Avenue South (952) 884-2040

St. Paul 55104.....Total Tool Supply 315 N. Pierce Street (952) 646-4055

MISSOURI

St. Louis 63126.....Handling Systems Inc. 11678 Gravois Road (314) 842-7263

Kansas City 64108.....Hertz Equipment Rental & Supply 800 E. 18th Street (816) 221-7788

St. Louis 63125.....Zeller Electric 4250 Hofmeister (314) 638-9641

MONTANA

Billings 59101.....Power Service Of Montana, Inc. 4025 1st Avenue (406) 252-8114

NEW JERSEY

Hillsborough 08844.....Sisso 186 Route 206 South (908) 359-9767

NEW YORK

Long Island City 11103.....Abc Electric 24-25 46th Street (718) 956-0000

Utica 13502.....Beaton Industrial, Inc. 6083 Trenton Rd. (315) 797-9346

Buffalo 14227.....Volland Electric Equipment Co. 75 Innsbruck Drive (716) 656-9900

NORTH CAROLINA

Greensboro 27405.....Carolina Hoist 3310 E. Wendover Avenue (336) 375-6050

Charlotte 28208.....Southern Electric Service 2225 Freedom Drive (704) 372-4832

OHIO

Cleveland 44135.....Americrane & Hoist Corp. 13224 Enterprise Avenue (216) 267-9100

Monroe 45050.....Crane America 920 Deneen Avenue (513) 539-9770

OKLAHOMA

Claremore 74017.....Gaffey Inc. 9655 E. 522 Road (918) 343-1191

OREGON

Portland 97210.....General Tool & Supply Co. 2705 N.W. Nicolai (503) 226-3411

PENNSYLVANIA

Pittsburgh 15215.....Globe Electric Co. 200 23rd Street (412) 781-2677

King Of Prussia 19406.....Mcdal Corp. 475 E. Church Road (610) 277-5484

Lester 19113.....Morris Material Handling 10 Industrial Hwy Ms 80 (800) 346-2098

Abington 19001.....Repair Unlimited 1730 Rockwell Road (215) 657-3335

RHODE ISLAND

Woonsocket 02895.....Motors, Hoist & Controls Inc. 179 Railroad Street (401) 767-4568

SOUTH CAROLINA

Greer 29650.....Engineered Systems, Inc. 125 Sunbelt Ct. (864) 879-7438

TENNESSEE

Memphis 38127.....Hi-Speed Electrical Co. 3013 Thomas Street (901) 357-6231

Nashville 37214.....Hoist & Crane Co. 2508 Perimeter Place (615) 242-3383

TEXAS

Garland 75042.....Abel Equipment Co., Inc. 3710 Cavalier Drive (972) 272-7706

Cleveland 77327.....Gaffey, Inc. 1436 N. Duck Creek Road (281) 443-6690

Odessa 79765.....Gaffey, Inc. 4003 S. County Road 1297 (915) 563-2897

Ft. Worth 76117.....Gaffey, Inc. 4301 Garland Drive (817) 281-1994

Houston 77002.....Hydraulic Equipment Service 1021 N. San Jacinto Street (713) 228-4073

UTAH

Salt Lake City 84119.....Rocky Mountain Wire Rope & Rigging 2421 South 2570 West (801) 972-4972

VIRGINIA

Ashland 23005.....Foley Material Handling Co. 11327 Va. Crane Drive (804) 798-1343

WASHINGTON

Seattle 98108.....B & J Industrial Supply 5601 1st Avenue S. (206) 762-4430

WEST VIRGINIA

Huntington 25725.....Msc Services Group 215 Hal Greer Blvd. (304) 529-4171

WISCONSIN

Neeah 54956.....Alferi Industrial Sales & Service 346 Smith Street (920) 722-6483

AUTHORIZED PROFESSIONAL 9600 SERIES HOIST SERVICE STATIONS — USA

REFER TO THE FOLLOWING AUTHORIZED SERVICE STATIONS FOR WARRANTY SERVICE ON YOUR MILWAUKEE 9600 SERIES HAND CHAIN OR HAND LEVER HOISTS

ALABAMA

Bessemer 35020.....H & S Repair Service Inc. 418 N. 20th Street (205) 425-9541

Mobile 36606.....Mobile Industrial Tool 2503 Commercial Park Drive (334) 478-3335

Pelham 35124.....Tool Specialty, Inc. 141 Commerce Court (205) 733-9292

ARKANSAS

Little Rock 72209.....United Hoist & Crane 7123 I-30 Suite 19 (501) 562-6698

CALIFORNIA

Oakland 94603.....Allied Crane Inc. 9009 Railroad Avenue (510) 639-4420

Fresno 93725.....Allied Electric Motor Service 4690 E. Jensen Avenue (559) 486-4222

Santa Fe Springs 90670.....Arrow Crane Hoist Corp. 12714 S. Carmenita Rd (562) 921-8328

La Palma 90623.....Idg California 6842 Walker Street (714) 994-6960

San Carlos 94070.....Stage Rigging 913 Tanklage Road (650) 595-2716

COLORADO

Denver 80223.....Wazee Crane #2 Santa Fe Drive (303) 623-1736

CONNECTICUT

Thomaston 06787.....Hoist Away, Inc. 164 S. Main Street (860) 283-9840

Meridan 06450.....Production Equipment Company 401 Liberty Street (203) 235-5795

DELAWARE

New Castle 19720.....Bruce Industrial Company, Inc. 4049 New Castle Ave (302) 655-9616

Wilmington 19804.....Fiduks Industrial Service Inc. 7 Meco Circle, Boxwood Ind. PK (302) 994-2534

FLORIDA

Lakeland 33811.....Aerial Rigging & Leasing 2940 Drane Field Rd. (863) 607-9100

Jacksonville 32221.....Epperson & Company 8181 Normandy Blvd. (904) 781-3669

Tampa 33619.....Tampa Armature Works, Inc. 440 S. 78th Street (813) 621-5661

GEORGIA

Tifton 31794.....Tifton Electric Motor Inc. 1265 Hwy. 82e (912) 382-4040

HAWAII

Honolulu 96819.....Coordinated Wire Rope 120 Mokauea Street (808) 843-2020

IDAHO

Boise 83714.....Boise's Rigging Supply 107 West 33rd Street (208) 342-8919

ILLINOIS

Lyons 60534.....Chicago Jack Service Inc. 8346 W. 47th Street (708) 442-7220

Elmhurst 60126.....John Sakash & Company 700 Walnut Street (630) 833-3940

Mt. Vernon 62864.....Mt. Vernon Electric, Inc. 1313 Harlan Road (618) 244-1212

AUTHORIZED PROFESSIONAL 9600 SERIES HOIST SERVICE STATIONS — USA (continued)

**REFER TO THE FOLLOWING AUTHORIZED SERVICE STATIONS FOR WARRANTY SERVICE
ON YOUR MILWAUKEE 9600 SERIES HAND CHAIN OR HAND LEVER HOISTS**

ILLINOIS (continued)		NEW YORK (continued)	
Quincy 62301.....Richards Electric Motor Co. 426 State Street	(217) 222-7154	Port Chester 10573.....Pelham Tool Company 21 Abendroth Avenue	(914) 937-1771
Chicago 60634.....Service Elevator & Electric 5809 W. Irving Park Rd.	(773) 545-5848	Syracuse 13206.....Team Service Corp. Of New York 4030 New Court Road	(315) 432-1682
Belleville 62221.....United Electric Supply Co. 1218 West Main Street	(618) 257-1564	Saratoga Springs 12866.....Zinter Handling, Inc. 4313 Route 50	(518) 583-0853
INDIANA		NORTH CAROLINA	
Hammond 46325.....Black Industrial Supply Co. 3600 Calumet Avenue	(219) 932-8665	Greensboro 27405.....Carolina Hoist & Crane Service 3310 E. Wendover Avenue	(336) 375-6050
South Bend 46617.....Northern Electric Company Inc. 116 N. Hill Street	(219) 289-7791	Asheville 28802.....Hayes & Lunsford Electric Company 226 Hilliard Avenue	(828) 252-4785
Elkhart 46514.....Shaum Electric Company 1125 N. Nappanee Street	(219) 264-4189	Winston-Salem 27106.....Piedmont Power Machine Service 4305-J Enterprise Dr	(910) 759-2022
Evansville 47711.....Tri-State Repair, Inc. 1327 North Fares	(812) 464-9341	OHIO	
IOWA		Cincinnati 45246.....Ace Industries Inc. 10118 Commerce Park Road	(513) 860-3218
Des Moines 50313.....Globe Electric Motor Service 1727 Hull Avenue	(515) 265-8552	Toledo 43612.....Bohl Crane Inc. 534 Laskey Road	(419) 476-7525
Des Moines 50313.....Globe Machinery & Supply Co. 4060 Dixon Street	(515) 262-0088	Springfield 45503.....Delta Crane Systems, Inc. 2748 Columbus Avenue	(937) 324-2229
Ankeny 50021.....Material Handling Innovations 6864 Ne 14th Street, Suite 2	(515) 289-2874	Harrison 45030.....F & M Mafco Inc. 9149 Dry Fork Road	(513) 367-2151
KANSAS		Cincinnati 45215.....Mazzella Lifting Technologies 10605 Chester Road	(513) 772-4466
Topeka 66608.....Independent Electric 2221 Nw Vail Avenue	(785) 233-4282	Cincinnati 45241.....Midwest Crane Corp. 10329 S. Medallion Drive	(513) 588-2500
Wichita 67214.....Independent Electric Machinery 825 E. 8th Street	(316) 267-1079	Youngstown 44512.....Pennsylvania Tool Sales & Service 625 Bev Road	(330) 758-0845
KENTUCKY		OKLAHOMA	
Louisville 40203.....Bohnert Equipment Co. 1010 S. 9th Street	(502) 584-3391	Owasso 74055.....Americrane & Hoist Llc 308 S. Main Street	(918) 274-3880
LOUISIANA		Oklahoma City 73125.....Evans Electric Motor Co., Inc. 1536 S. Western Blvd.	(405) 631-1344
Youngsville 70592.....A & P Crane & Hoist Division 2817 Bonin Rd.	(318) 234-5385	Tulsa 74107.....Evans Electric Motor Company, Inc. 2002 Southwest Blvd.	(918) 587-7820
Baton Rouge 70805.....Power Tool Repair Service 1675 Choctaw Drive	(225) 356-0101	OREGON	
Houma 70364.....Robert's Repair Rental & Retail 4919 La 182	(504) 872-0896	Portland 97211.....Davis Industrial Products Co. 2705 Ne Argyle Street	(503) 288-3252
Destrehan 70047.....Standard Services Corp. 14694 Airline Drive Bldg. A	(985) 725-1989	PENNSYLVANIA	
MAINE		Douglassville 19518.....American Crane & Equipment Co. 531 Old Swede Road	(610) 385-6061
Auburn 04210.....A.C. Electric Motor & Equipment 1508 Merrow Road	(207) 784-7341	Pottstown 19464.....Crane Pro Services 371 Circle Of Progress	(610) 705-9700
Westbrook 04092.....Stultz Electric 25 Bridge Street	(207) 854-2501	Chalfont 18914.....D.R. Cordell & Associates 95 W. Butler Avenue	(215) 822-9345
MARYLAND		Harrisburg 17104.....Fiduku Industrial Service Inc. 534 S. 23rd Street	(717) 561-0221
Baltimore 21205.....Chesco Inc. 3707 E. Monument	(410) 342-9225	Philadelphia 19116.....Fred Hill & Son Co. 2101 Hornig Road	(215) 698-2200
Baltimore 21205.....L.A. Benson 3707 E. Monument	(410) 342-9225	Emigsville 17318.....Hoist & Crane Repair, Inc. 3321 High Street	(717) 764-8218
Cockeysville 21030.....Zenmar Pneumatic Tools, Inc. 243 Cockeysville Road	(410) 785-5790	King Of Prussia 19406.....Mcdal Corporation 475 E. Church Road	(717) 757-6426
MASSACHUSETTS		Pittsburgh 15203.....Plant Service Company 598 Bingham Street	(412) 381-4664
Worcester 01606.....Bigelow Electric Company 1 Pullman Street	(508) 852-5000	Abington 19001.....Repairs Unlimited, Inc. 1730 Rockwell Road	(215) 657-3335
North Billerica 01862.....Burlington Engineering 79 Treble Cove Road	(978) 663-7133	Philadelphia 19124.....Somerset Electric Co., Inc. 5609 Tulip Street	(215) 288-5568
Westfield 01085.....Electric Motor Sales & Service 275 North Elm Street	(413) 568-2311	RHODE ISLAND	
Braintree 02184.....Sandman Electric Co., Inc. 110-H Messina Drive	(781) 849-7430	Warwick 02887.....Electric Motor Service, Inc. 3070 Post Road	(401) 737-2534
MICHIGAN		SOUTH CAROLINA	
Battle Creek 49015.....Commercial Electric Company 333 Hamblin Avenue	(616) 962-8789	Charlestown 29405.....Charlestown Crane Inspection 1304 Meeting Street	(843) 853-1145
Rochester Hills 48309.....Crane Technology Grp, Inc. 1954 Rochester Indus.Dr.	(248) 652-8700	TENNESSEE	
Grand Rapids 49502.....Fixall Electric Motor Service 737 Butterworth Sw	(616) 454-6863	Chattanooga 37408.....Chattanooga Armature Works 1209 E. 23rd Street	(423) 267-7665
Muskegon 49441.....Johnes Electric Company 1965 Sanford Street	(616) 726-5001	Memphis 38108.....Dmc Hoist & Crane 1403 N. Willett	(901) 272-1015
Battle Creek 49015.....Kendall Industrial Supplies 702 North 20th Street	(616) 965-2211	Memphis 38118.....Heavy Machines, Inc. 3926 E. Raines Road	(901) 260-2267
Manistee 49660.....Metal Line, Inc. 1965 Pine Creek Road	(616) 723-7041	Nashville 37214.....Hoist & Crane Company 2508 Perimeter Place	(615) 242-3383
Allendale 49401.....Star Crane & Hoist 11340 54th Avenue	(616) 892-5500	Memphis 38106.....Shelby Electric Company, Inc. 112 E.H. Crump Blvd.	(901) 948-1545
MINNESOTA		Knoxville 37917.....Tennessee Armature 1301 Galway Street	(423) 524-3681
Winona 55987.....Fastenal Company 2001 Theurer Blvd.	(507) 454-5374	TEXAS	
Minneapolis 55432.....Parsons Electric Company 5960 Main Street Ne	(612) 571-8000	San Antonio 78219.....Alamo Iron Works 943 Coliseum Road	(210) 223-6161
MISSOURI		Lubbock 79404.....Brandon & Clark, Inc. 3623 I-27	(806) 747-3861
Springfield 65802.....Independent Electric Machinery 1640 E. Trafficway Street	(417) 865-1626	Corpus Christi 78409.....Brumley & Brumley 6103 Leopard Street	(361) 289-2036
St. Joseph 64501.....Independent Electric Machinery 611 Patee Street	(816) 232-2404	Waco 76710.....Evans Enterprises, Inc. 201 S. Industrial Drive	(254) 772-4710
Gbridgeton 63044.....Shannahan Crane & Hoist Parts, Inc. 4334 Bridgeton Indus. Dr.	(314) 291-4878	UTAH	
St. Louis 63138.....Tri-State Equipment Company 1323 Dunn Road	(314) 869-7200	Salt Lake City 84123.....Hoj Engineering Company 3960 S. 500 West	(801) 266-8881
St. Louis 63125.....Zeller Electric Company 4250 Hoffmeister Ave.	(314) 638-9641	VIRGINIA	
NEBRASKA		Richmond 23230.....Electric Equipment Company 1807 Boulevard West	(804) 353-7841
Omaha 68127.....Midlands Electric Motor Service 4425 S. 87th Street	(402) 331-0770	Bristol 24201.....Electric Motor Repair & Sales 1 Goodson Street	(540) 669-9428
NEVADA		Ashland 23005.....Foley Material Handling 11327 Virginia Crane Drive	(804) 798-1343
Las Vegas 89118.....Silver State Wire Rope 3320 West Post Road	(702) 597-2010	Richmond 23234.....James Mcgraw Inc. 2900 Deepwater Terminal Road	(804) 233-3071
NEW HAMPSHIRE		Roanoke 24013.....Lloyd Electric Company, Inc. 605-3rd Street Southeast	(703) 982-0135
Exeter 03833.....Harding Company Inc. 6 Industrial Drive	(603) 778-7070	WASHINGTON	
NEW JERSEY		Seattle 98108.....B & J Industrial Supply Co. 5601 First Avenue South	(206) 762-4430
Trenton 08629.....Electric Motor Repair Company 809 E. State Street	(609) 392-6149	Longview 98632.....C & H Industrial Tool & Supply Inc. 1160 3rd Avenue	(360) 423-6496
East Hanover 07936.....Lively & Company 10 Merry Lane	(973) 887-6440	Seattle 98109.....United Electric Motors 308 9th Avenue North	(206) 624-0044
Trenton 08619.....Sinclair Material Handling 93 Second Avenue	(609) 394-5343	Pacific 98047.....Washington Crane & Hoist 1334 Thornton Avenue Sw	(253) 863-6661
Somerville 08876.....Sisco / Permadur Industries 186 Route 206 S.	(908) 359-9767	WEST VIRGINIA	
Hackensack 07601.....Universal Motor Service Inc. 131 S. Newman Street	(201) 968-1000	Logan 25601.....Delta Electric Inc. 207 Riverview Avenue	(304) 752-4625
NEW YORK		Huntington 25701.....Dolin Supply Company 215 Hal Greer Blvd.	(304) 529-4171
Auburn 13021.....Auburn Armature Company, Inc. 70 Wright Circle, Dock #1	(315) 253-9721	WISCONSIN	
Flushing 11368.....Exeltek Handling Equipment Corp. 127-27 34th Avenue	(718) 651-8800	Appleton 54914.....All-Lift Systems Inc. 1103 S. Perkins Street	(920) 738-0800
Jamaica 11432.....General Electric Specialty 181-04 Jamaica Avenue	(718) 658-2440	Madison 53713.....Electric Motors Unlimited, Inc. 1000 Jonathon Drive	(608) 271-2311
Schenectady 12304.....Gray Electric Company 2011 Hamburg Street	(518) 346-0111	Oak Creek 53154.....Overhead Material Handling, Inc. 7747 South 6th Street	(414) 768-9090
Victor 14564.....Han-Tek Inc. 100 Rawson Road Bldg. 220	(716) 924-2200		
Buffalo 14206.....Hanes Supply Inc. 55 James E. Casey Drive	(716) 826-2636		
East Syracuse 13212.....Material Handling Technologies 7488 Round Pond Rd	(315) 463-4950		

PORTABLE ELECTRIC TOOL SERVICE STATIONS — CANADA

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**CANADIAN FACTORY SERVICE CENTRE
MILWAUKEE ELECTRIC TOOL CANADA**
755 Progress Avenue • Scarborough, Ontario M1H 2W7
Phone: (416) 439-4181 • Fax: (416) 439-6210

CUSTOMER SERVICE
(Metro Toronto): (416) 439-4015
Toll Free: 1-800-268-4015

ALBERTA

Calgary T2C 2H7	Complete Power Tool Services, Bay 9, 7139 - 40th Street S.E.	(403) 720-0445
Calgary T2E 6R1	Power Tool Clinic Ltd., 427 - 36 Ave. N.E.	(403) 276-4633
Calgary T2C 2C8	Industrial Power Tool, #8 - 4115 - 64 Avenue S.E.	(403) 261-0780
Edmonton T6H 2J5	Celtic Industrial Tools & Repair Ltd., 5736 - 103 A St.	(780) 431-0970
Edmonton T5M 3N2	Quality Tool Repair Ltd., 11420 156 Street	(780) 702-1686
Edmonton T6E 1J2	Scona Electric Inc., 10003 69 Avenue	(780) 433-4247
Fort McMurray T9H 4V9	K.A.M. Industries, Bay 103, 19 MacAlpine Cres.	(780) 715-4044
Grand Prairie T8V 4E3	Bermar Rewind Ltd., 9609 109 St.	(403) 532-0818
Lethbridge T1J 0E3	Hagen Electric Ltd., 1202 2nd Ave. S.	(403) 328-8826
Medicine Hat T1A 2Z5	Zark Repair, 5414 N. Railway St. S.E.	(403) 526-6131
Red Deer T4P 2B5	Magnum Rewind & Controls, Bay#3, 7884 - 49th. Ave.	(403) 358-7790
Red Deer T4N 4B6	McAuley's Electric Motors Ltd., 5301 50th Avenue	(403) 346-3361

BRITISH COLUMBIA

Cranbrook V1C 2V3	SARC Repair B.C. Ltd., 16 - 13th Ave. S.	(250) 426-6333
Kamloops V2C 4B6	Thompson Valley Rewind Ltd., 1647 Valleyview Dr.	(250) 374-1633
Kelowna V1Y 3E3	K.Y. Tools Sales & Service, #2-1115 Gordon Dr.	(250) 862-2575
Langley V3A 3X8	Power Tool Clinic Ltd., #105-19835 56th Ave.	(604) 530-3550
Maple Ridge V2X 2W4	H.Q.T. Repairs Ltd., 22935 Lougheed Hwy., Unit #1	(604) 463-7455
Nanaimo V9R 5E5	Solar Electric Repairs (1981) Ltd., 20A Cliff St.	(250) 753-1731
Nelson V1L 5P6	Starlight Tool Services, 4655 Crescent Rd., R.R.#3, S7, C40	(250) 825-3428
Penticton V2A 3J8	A. C. Motor Electric Ltd., 259 Okanagan Ave. E.	(250) 493-1440
Prince George V2N 1A9	Accurate Tool Repair, 3660 18th Ave.	(250) 562-8833
Surrey V3W 0N6	Delta Tool Repair Ltd., 7533 135th St., Unit #114	(604) 591-3230
Vancouver V5Y 1G8	Armature Electric Ltd., 275 W. 4th Ave.	(604) 879-6141
Vernon V1T 5J9	Electrical Enterprise Ltd., 4600 31st St.	(250) 542-1166
Victoria V8T 5A8	A.B.C. Electric, 2670 Fifth St.	(250) 382-7221
Victoria V8Z 1A6	Troy Electric Motor Repairs, Unit #1, 3131 Delta Ave.	(250) 382-7442

MANITOBA

Brandon R7A 0H5	Harold's Electric Service, 362 Pacific Ave.	(204) 727-7292
Winnipeg R3E 2S9	Athena Small Equipment Repair, 1493 Erin St.	(204) 786-1900
Winnipeg R3G 3K4	Wolseley Mechanical Group, 1300 St. Matthews Ave.	(204) 786-7861
Winnipeg R3J 1J2	Accutool Service Centre, 483 Madison St.	(204) 772-6523

NEW BRUNSWICK

Bathurst E2A 1W9	Steve's Electric Motor Service Ltd., 605 Bridge St.	(506) 548-4681
Edmundston E3V 2K5	Audiotek Tool Division, 464 Rue Victoria	(506) 735-5284
Moncton E1E 2G7	Power Plus Tool Repair, 57 Millennium Blvd.	(506) 855-8665
Saint John E2L 3R1	Richard's Service Central Ltd., 218 Waterloo St.	(506) 652-4410
Saint John E2L 4A4	Harbour City Electro-Mechanical Ltd. 38 Bayside Dr., Box 610	(506) 634-8314

NEWFOUNDLAND

Marystown A0E 2M0	Tool - Aid Ltd., 303 McGettigan Blvd.	(709) 279-2238
St. John's A1B 3R2	Rideout Tool & Machine Inc., 222 Kenmount Rd.	(709) 754-2240

NOVA SCOTIA

Amherst B4H 2V3	Top Line Rentals Inc., 15 Albion Street	(902) 667-9850
Dartmouth B3A 1A5	Fader Agencies, 83 Shore Rd.	(902) 466-2333
Dartmouth B3B 1K1	Deiter's Tool & Saw Service, 19 Pettipas Dr., Unit F	(902) 468-4888
Halifax B3K 4W5	Village Power Shop Ltd., 2756 Gladstone St.	(902) 455-0208
Sydney B1P 6B6	Stan Wadden Auto Electric Service 1980 Ltd., 129 York St.	(902) 562-4421

ONTARIO

Ajax L1S 4S2	J.D. Air & Electric Tool Repair, 676 Monarch Ave., Unit #3	(905) 427-2595
Barrie L4M 5G1	Tony's Power Tools & Vacuum Service, 59 Bell Farm Rd., Unit #4	(705) 726-1142
Belleville K8N 4V1	Emsco Motor Sales & Service, 57 Cannifton Rd.	(613) 966-3230
Burlington L7T 1N4	Bayshore Tool & Equipment, 1021 Waterdown Rd.	(905) 633-9214
Chatham N7M 5J5	Waffles Electric Ltd., 475 Riverview Dr.	(519) 354-2730
Concord L4K 3M7	Trion Power Tool Service Inc., 176 Rivermede Rd., Unit #8	(905) 738-5060

ONTARIO (continued)

Etobicoke M9W 6R2	Karl's Power Tools Sales & Service, 22 Goodmark Pl., #25	(416) 675-1310
Guelph N1H 3Z4	Hoffman's Sales & Service, 20 Cardigan St.	(519) 836-6140
Hamilton L8L 3B3	Active Tool Repair, 955 Barton St. E.	(905) 545-7646
Huntsville P0A 1K0	Huntsville Armature Ltd., 51 Ferguson Rd., R.R. #1	(705) 789 9301
Kingston K7M 1W6	Boyd Electric Ltd., 833 Portsmouth Ave.	(613) 548-4888
Kitchener N2B 2E1	R.M.W. Electric Ltd., 350 Shirley Ave.	(519) 744-1821
Kitchener N2R 1G3	The Tool Doctor, 49 McIntyre Pl., Unit # 8	(519) 748-4780
Lindsay K9V 1W7	Jordan Electric Motor Service, 4 Durham St. E.	(705) 324-9427
London N5W 2M1	A.C. Jenkins Electric Repair Ltd., 1188 Frances St.	(519) 451-4020
London N5W 3P4	Moore Tool & Motor Service Ltd., 960 Elias St., Unit #2	(519) 679-6326
Mississauga L5L 1R6	Mississauga Repair Centre, 3120 Glen Erin Dr., Unit #16	(905) 828-1565
Mississauga L5T 2K4	Bertsch Power Tool Service Ltd. 1320 Midway Blvd., Unit #18	(905) 670-7716
North Bay P1B 4A4	Gateway Professional Tools, 790B Cassels St.	(705) 495-4906
Oakville L6L 2X8	Industrial Tool Repair Centre, 2140 Speers Rd.	(905) 827-5661
Ottawa K1B 4E4	Mytek Power Tools Service, 110-2535 Blackwell St.	(613) 749-7294
Ottawa K2C 3J2	Comotech Controls, Motors, Technology 1735 Courtwood Crescent	(613) 228-9480
Owen Sound N4K 2H9	Murray's Sharpening & Tool Repair, 1190 2nd. Ave. East	(519) 376-2495
Peterborough K9J 2N3	Larry Electric Motor Service, 164 Sherbrooke St.	(705) 743-3167
Sarnia N7T 2C9	Lawrence Electric Motor Repair, 720 Confederation St.	(519) 344-4112
Scarborough M1B 3C5	George Power Tools Service Inc., 1365 Morningside Ave., Unit# 11	(416) 286-3933
Scarborough M1S 3P8	The Tool Doctor Ltd., 70 Milner Ave., Unit #2	(416) 292-2290
South Porcupine P0N 1H0	Porcupine Air & Electric Tool Repair, 51 Smith St.	(705) 235-8950
St. Catharines L2N 1L1	A & A Power Tool Repair Inc., 10A Nihan Dr.	(905) 646-4881
St. Catharines L2T 1J7	Kaupp Electric Ltd., 225 Merritt St.	(905) 227-1661
Stoney Creek L8E 2L2	Apollo Tool Repair, 367 Barton St. E.	(905) 544-5202
Stratford N5A 3S7	Protool Outlet, 390 Douro St.	(519) 273-2400
Sudbury P3C 4C6	Sudbury Power Tool Clinic Inc., 257 Regent St. S.	(705) 673-4241
Thunder Bay P7B 2X8	Merse Motor Electric Ltd., 194 S. Court St.	(807) 345-2323
Thunder Bay P7C 5Y3	Mahon Electric Ltd., 340 Waterloo St. N.	(807) 623-8471
Tillsonburg N4G 2J8	Ampro Electric Ltd., 346 Simcoe St.	(519)842-7194
Timmins P4N 2T2	Gem Electric Motor Service Ltd., 151 Wilson Ave.	(705) 264-0668
Toronto M8Z 1R5	Automotive Tool Repair & Supply Inc., 1180 The Queensway	(416) 255-7789
Windsor N8X 3X7	Waco Equipment Repair, 2779 Howard Avenue	(519) 972-5551
Woodbridge L4L 5V1	Vital Tool Repair & Rentals, 145 Haist Avenue, Unit #2	(905) 264-9116

QUEBEC

Anjou H1J S43	Products & Services Inc., 11200 Colbert	(514) 355-9650
Baie Comeau G4Z 1S4	Centre De Location Cote-Nord Inc., 174 Lasalle	(418) 296-9691
Beauport G1C 7G6	Etaltech Inc., 587 Adanac, Suite #101	(418) 660-6081
Beloil J3G 5X9	Outillage Placide Mathieu Inc., 670 Rue Picard	(450) 467-3565
Cap-De-La-Madeleine G8T 6J4	G.D. Reparations Enr., 5 Rue Bellerive	(819) 378-3081
Chicoutimi G7G 1W4	J. Sirois Electrique Inc., 2203 Rue Roussel	(418) 543-3308
Drummondville J2C 1T9	Docteur De L'Outil Inc., 200A Rue Dorion	(819) 478-1109
Gatineau J8P 1G6	Marce Baril Ltee, 776B Blvd. Maloney Est.	(819) 663-2463
Gatineau J8P 7G7	Electro-Mecanique L.P.L. Inc., 495 St-Rene Est.	(819) 669-6706
Grande-Ile J6S 4V3	Centre De Reparation D'Outil Valleyfield, 607 Rue Gaetan	(450) 373-6055
Granby J2G 5A7	Armatures Shefford Inc., 200 Rue Cartier	(514) 375-1414
Jonquiere G7X 8S6	Moteurs Saguenay Roberge Inc., 2392, Rue Cantin	(418) 542-9000
Laval H7L 3W3	Service D'Outils FLG Inc., 1617 Autoroute 440	(450) 682-7979
Levis G6W 1H3	Lariviere Moteurs Electriques Inc., 4895 Boul. De La Rive Sud.	(418) 837-7982
Montreal H3L 1H7	Inolec Inc., 100 Port - Royal St. E.	(514) 384-9021
Montreal H4A 2K5	Instrument Sales & Service Inc., 2185 Hampton Ave.	(514) 481-8111
Plessisville G6L 1N9	Service De Reparation D'outillage Servi-max Inc., 1124 St-Calixte	(819) 362-7373
Quebec G1P 3N8	Service D'Outillage Central Inc., 2410 Boul. Central	(418) 682-0560
Rimouski G5L 1G4	Reparation Yves Proulx Enr., 570c St-Germain Est.	(418) 725-0800

AUTHORIZED SERVICE STATIONS — CANADA (continued)

QUEBEC (continued)

Rouyn-Noranda J9X 7B6	Equipements TNO Inc., 1250 Boul Saguenay	(819) 764-3221
Sept-Iles G4R 1L3	Centre De Location Laforge, 498 Otis	(418) 962-4499
Sherbrooke J1G 1E4	Do-Mar Electricque Inc, 1136 King St. E.	(819) 563-2234
Sherbrooke J1J 2E6	Atelier D'Outils Electriques, 1985 Rue King Ouest	(819) 346-1775
St.-Georges G5Y 5E6	Veilleux & Fils Inc., 3195 6E Ave. W.	(418) 228-6207
St-Antoine GOL 2J0	Alain Mailloux Dynatech, 788 Chemin Riviere - Verte	(418) 867-3811
St-Hyacinthe J2S 2Y9	Centre De Service De L'Outil HM Inc., 3005 Dessaulles	(450) 774-7788
St-Jean-sur Richelieu J3B 2M7	Moteurs Electriques St.-Jean Eng. 688 St.-Jacques	(450) 347-3265
St-Jerome J7Z 5E1	Centre D'Electricite Jeromien Inc., 803 St-Georges	(877) 476-9914
St-Lambert J4S 1H1	Service D'Outils ACM, 2071 Victoria	(450) 466-1173
St-Ours J0G 1P0	Jacques Pelletier Electricque, 1915 Chemin de Patroites	(450) 785-3076

QUEBEC (continued)

Ste-Foy G1N 4L6	Reparation D'Outils R. Martel Inc. 2025 Rue Lavoisier, Local 180	(418) 681-9444
Ste-Marie G6E 2L5	Les Moteurs Electriques De Beauce, 1120 Notre-Dame Nord	(418) 387-2910
Val-D'Or J9P 1M1	Hytex 85 Inc., 1330 Chemin Sullivan	(819) 825-1475
Victoriaville G6S 1B5	Baril Electricque Inc., 8 Boul Labbé Sud.	(819) 752-4480
Ville St. Laurent H4T 1Z7	Outil Pac Inc., 375 McCaffery	(514) 733-3555

SASKATCHEWAN

Prince Albert S6V 3V2	P.A. Electric Service (2001) Ltd., 129 - 16th Street West	(306) 764-4236
Regina S4N 7A2	Regina Power Tool Service Ltd., 1801B MacDonald Street	(306) 352-3106
Saskatoon S7K 0W1	Ted's Power Tool Repair Ltd., 426 44th St. E.	(306) 934-6155

NORTHWEST TERRITORY

Yellowknife X1A 3T4	Polar Tech, 349 Old Airport Rd.	(867) 873-8324
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YUKON TERRITORY

Whitehorse Y1A 2L6	Oscar's Electric Co. Ltd., 310 Alexander St.	(867) 667-2330
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AUTHORIZED PROFESSIONAL HOIST SERVICE STATIONS — CANADA

REFER TO THE FOLLOWING AUTHORIZED SERVICE STATIONS FOR WARRANTY SERVICE ON YOUR MILWAUKEE 9500 SERIES HAND CHAIN, HAND LEVER OR ELECTRIC HOIST

ALBERTA

Edmonton T5S 1G1	Kristian Electric, 10457 184th St.	(780) 444-6116
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ONTARIO

North York M3A 1A1	Toronto Electric Hoist Repairs, 9 Codeco Ct.	(416) 386-0820
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ONTARIO (continued)

Oakville L6L 2X2	Pro Crane Hoist Repairs, 2050 Speers Rd., Unit 2E3	(905) 825-2586
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QUEBEC

Montreal H1Z 3R2	Leger Hoist Equipment Co., 7995 17th Ave.	(514) 376-3050
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REFER TO THE FOLLOWING AUTHORIZED SERVICE STATIONS FOR WARRANTY SERVICE ON YOUR MILWAUKEE 9600 SERIES HAND CHAIN OR HAND LEVER HOISTS

ALBERTA

Edmonton T5S 1M8	Bucyrus International Inc., 18131 118th Ave.	(780) 454-9000
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BRITISH COLUMBIA

Coquitlam V3K 6W9	Interlock Crane Services, 2227 Hartley Ave.	(604) 526-3536
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MANITOBA

Winnipeg R2L 1J5	King's Electric Motors, Inc., 633 Tyne Ave.	(204) 663-5332
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NOVA SCOTIA

Dartmouth B3B 1K8	Dover Corp. (Canada) Ltd., 10 Morris Dr., Unit B	(902) 468-6008
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ONTARIO

North York M3A 1A1	Toronto Electric Hoist Sales & Service, 9 Codeco Ct.	(416) 386-0820
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Oakville L6L 6N3	R. & W. Hoist Repair Ltd., 790 Redwood Square, Units 5, 6 & 7	(905) 825-5500
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Sudbury P3A 4S4	Maslack Supply Ltd., 488 Falconbridge Rd.	(705) 566-1270
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QUEBEC

Montreal H1Z 3R2	Leger Hoist Equipment Co., 7995 17th Ave.	(514) 376-3050
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Pointe Claire H9R 1B1	Hercules Sling & Cable, 3800 TransCanada Hwy.	(800) 381-2247
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PORTABLE ELECTRIC TOOL AUTHORIZED DISTRIBUTORS AND SERVICE STATIONS* -MEXICO

MILWAUKEE ELECTRIC TOOL DIVISION
Blvd. Abraham Lincoln, #13 • Colonia Los Reyes, Zona Industrial
Tlalnepantla, C.P. 54073 • Edo. de Mexico
Telefono (55) 5565-1414 • Fax (55) 5565-0925

MÉXICO CITY

México, D.F.*	Comercializadora Larmex. S.A. de C.V. Art. 123 No. 69-2 Centro	(55) 55-10-42-40
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México, D.F.	Grupo Industrial Roga. - Fco.Pimentel 82-4 Col. Sn. Rafael	(55) 55-66-12-13
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México, D.F.*	Herramientas Alreka, S.A.- Dr. Andrade # 85 Col. De los Doctores	(55) 55-78-91-40
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México, D.F.	Herramientas Lindavista S.A. De C.V. Av. Miguel Bernat 601-1. Col. La Escalera	(55) 57-54-36-02
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México, D.F.	Impulsora Electroferretera Meseme S.A. De C.V. Ote. 87 No. 2617 Esq. Norte 54. Col. Emiliano Zapata	(55) 55-37-45-98 (55) 55-17-86-09
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México, D.F.*	Tecnoherramientas Mixcoac Greco No. 2 Local 1. Col. Mixcoac	(55) 55-98-58-21 (55) 55-61-32-34
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México, D.F.*	Herramientas Masa, S.A. de CV-Dr. Olvera #81 Col. De los Doctores	(55) 57-61-41-57
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México, D.F.	León Weill, S.A. (Centro) Isabel la Católica 96 Col. Centro	(55) 57-09-41-00
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México, D.F.	León Weill, S.A. (Iztapalapa)- Calz. Ermita Iztapalapa 1560	(55) 56-85-50-08
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México, D.F.	León Weill, S.A.(oficinas Generales) Av. Coyoacan 1153 Col. del Valle	(55) 54-88-36-00
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México, D.F.*	León Weill, S.A.(Vallejo)- Av. Cuítlahuac 363 Col. Vallejo	(55) 55-87-04-77
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México, D.F.	Metinox, S.A. De C.V.— Peñoles # 9 Col. Vallegomez	(55) 55-17-80-31
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México, D.F.*	Prinser de México, S.A. De C.V. - 5 de Febrero 387 Col. Obrera	(55) 55-19-95-66
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México, D.F.	Tools Herramental, S.A. De C.V.- Santiago # 194 Col. Barrio de Santiago Sur	(55) 56-98-44-88
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México, D.F.*	Maria Marta Rojas Gomez- Matias Romero # 1556 Col. Vertiz Narvarte	(55) 56-05-53-25
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ESTADO DE MÉXICO

Naucalpan	Herramientas y Accesorios Industriales de Naucalpan , S.A. De C.V. Abundio Gómez # 10 Col Ahuizotla	(55) 53-57-19-97 (55) 53-60-16-48
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Naucalpan	León Weill, S.A. (Naucalpan) Blvd. Manuel Avila Camacho 39-C	(55) 53-58-16-55
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Naucalpan*	Cormarmex S.A. De C.V. -Arroyuelo No. 90	(55) 55-60-15-35 (55) 55-60-15-87
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Naucalpan *	Sr. Ramón Sánchez E.- 16 de Septiembre 230-B	(55) 53-58-97-05
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Tlalnepantla	Ferretería Modelo, S.A. De C.V. - Via Gustavo Baz 401	(55) 53-90-40-58
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Tlalnepantla*	Centro de Servicio CARVI - Dr. Gustavo Baz 315-B Col La Loma	(55) 53-62-41-93
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Tlalnepantla*	Herramientas Ceseña S.A.deC.V. Gustavo Baz 262 Col. La Loma	(55) 53-60-36-84
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Tlalnepantla*	Sr. Francisco Amezcua- Tlaltecas 275 Fracc. La Romana	(55) 53-90-74-80
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Ecatepec	Ferretodo, S.A. De C.V. -Via Morelos # 302	(55) 57-76-63-63
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Toluca	Ferretería La Carredana, S.A. De C.V.- Paseo Tolloacan y Pino Suarez	(722) 212-28-99
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Toluca*	Abrasivos y Soldaduras Especiales S.A.	(722) 773-11-16
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AUTHORIZED DISTRIBUTORS AND SERVICE STATIONS-MEXICO (continued)

AGUASCALIENTES

AgascalientesR.G. Htas. Y Sistemas de Fijacion,S.A. De C.V. (449) 977-34-77
Av. Héroe Inmortal # 205 Col. Morelos

BAJA CALIFORNIA

Cabo San Lucas ..La Casa del Carpintero - Morelos S/N entre 12 de Octubre y Alikan (624) 143-32-44
La Paz *Distribuidora Metalum, S.A. De C.V. - Calz. Gral. Olachea # 3980 (612) 125-36-00
Mexicali *OASA Mexicali, S.A. De C.V. - López Mateos 850, Col. Bellavista (686) 552-82-15
MexicaliEquipo, Herramienta y Seguridad Industrial, S.A. De C.V. (686) 556-01-22
Fundidores # 5 Col. Industrial
Mexicali *Herramientas V Y K - Blvd. A. López Mateos # 2253 (686) 561-76-22
Tijuana*Dolores Galindo Pimienta - López Lucio # 560-B Col. La Mesa (664) 681-25-41
Tijuana *Felipe Ruanova Garcia- Av. Gral. Salinas y Gral. Cárdenas # 10650 (664) 686-52-70
Tijuana.....Oxigeno y Equipos, S.A. De C.V.- Blvd. Agua Caliente # 1630 (664) 686-13-61

COAHUILA

MonclovaHerramientas de Coahuila, S.A. De C.V.-Cauhtemoc # 309 (866) 635-06-36
Cd. Acuña *Materiales, Equipos y Servicios de Acuña, S.A. De C.V. (877) 772-51-96
Aguiles Serdan # 486 Nte.
MonclovaPrime Equipment, S.A. De C.V. (866) 632-30-00
Blvd. H.R. Pape # 606 Zona Centro
Piedras NegrasSoldadura y Equipos (Juanita Sánchez Hernández) (878) 783-52-19
Patriotas # 718-A Fracc Rio Bravo
TorreonHerramientas y Servicio de Torreon.-Calzada Cauhtemoc 571 Norte (871) 717-28-90

CHIHUAHUA

Chihuahua *Comercializadora de Chihuahua AG, S.A de C.V. (614) 417-65-65
Miguel Barragán # 6915
Cd. Juárez *Distribuidora Industrial Ferretera (Sr. Tomas Baca Aguilera) (656) 615-13-02
5 de Mayo 382-3 Col. Partido Romero
Cd. Juárez*José Cruz Baca Aguilera.-Calle Gpe. No.6772 Col.Lomas del Rey (656) 620-96-02
Cd. Juárez *Oxigeno y Soldadura de Juárez, S.A. De C.V. (656) 610-61-89
Blvd. Oscar Flores # 2695 Fracc. Division del Norte
Cd. JuárezSistemas de Fijacion del Norte, S.A. De C.V. (656) 616-09-72
Prolongación Montemayor # 4113-B

DURANGO

Durango.....Herramientas y Abrasivos Durango.-Av. 20 de Noviembre No. 2002 (618) 829-68-41

GUANAJUATO

LeónAnclajes y Sistemas de Fijacion.-Garanbullo No. 215 (477) 761-56-42
CelayaFerreteria Oviedo, S.A. De C.V. - Av. Irrigación · 103-9 (461) 616-09-60
Irapuato *Equipos Mecanicos del Centro — Blvd. Diaz Ordaz # 1214 (462) 626-67-39

GUERRERO

Chilpancingo*Htas. y Accesorios Montero S.A. de C.V.-Juarez 73 Col. Centro (747) 471-79-76
Zihuatanejo*Htas. y Accesorios Montero S.A. de C.V. (755) 554-55-57
Av. Pase de Zihuatanejo Ote. No. 140 (755) 554-85-46
Acapulco*Htas. Y Accesorios Montero S.A. De C.V.-Av. Cauhtemoc No. 229 (744) 486-49-92

JALISCO

Guadalajara *Ferreteria Indar, S.A. De C.V. - Calz. Independencia Sur 574 (33)36-14-14-19
Guadalajara *Rep. Industriales y Distribuciones, S.A. De C.V. (33) 31-20-34-91
Av. Colon # 2617 Fracc. Colon Industrial
Guadalajara *Rep. Industriales y Distribuciones, S.A. De C.V. (33) 31-20-34-90
Av. Lázaro Cárdenas # 1719 Col. Del Sur
Guadalajara * ..Silvia Estela Hernandez Escobedo - 8 de Julio # 555 Sector Reforma (33) 36-14-27-55
Guadalajara *Ana Ma. Ricon Cruz Manjarrez- Noruega No. 1030 Col. Moderna (33) 36-50-04-84
ZapopanGrainger, S.A. De C.V. (33) 36-40-11-88
Melchor Ocampo # 1275 Elcolli Periférico Pte.
Zapopan.....Prime Equipment, S.A. De C.V. (33) 36-82-08-50
Prolongación Av. Vallarta # 9997-F Col. Rancho Contento

MICH OACAN

Morelia*Distribuciones y Manufacturas de Mich. S.A. De C.V. (443) 324-01-16
Planta Cupatitzio No. 34

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ApodacaGrainger, S.A. De C.V. - Aristóteles # 118 Parque Industrial Kalos (81) 81-56-99-00
Monterrey *Centro de Herramientas y Servicio, S.A. — Edison # 907 Norte (81) 83-46-42-00
MonterreyFerretera Industrial del Norte, S.A. De C.V. -Av. Ruiz Cortinez 982 Pte. (81) 83-51-52-30

NUEVO LEON (continued)

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MonterreyPrime Equipment, S.A. De C.V. (81) 83-55-72-33
Francisco Beltran #4261 Col. Venustiano Carranza
MonterreyIndustrias Dinamex S.A. De C.V. (81) 83-11-29-99
San Juan de los Lagos 3986
San Nicolás de los Garza *Abastecedora Leal, S.A. De C.V. (81) 83-76-41-80
Av. Titán # 118 Col. Cuahtemoc
San Nicolás de los Garza *Refacciones y Servicios DOM-REY, S.A. De C.V. (81) 83-50-19-44
Morelos # 300 Nte. Centro de San Nicolás
San Nicolás de los Garza *Servicios neumaticos-Dr. ATL 1302 (81) 83-53-41-83
(81) 83-50-18-17

OAXACA

Oaxaca *Comercial Oaxaqueña de Pinturas,S.A. De C.V. (951) 516-24-18
Av. Ferrocarril -# 132 Col. Centro

PUEBLA

PueblaHerramientas y Compresores de Puebla S.A. De C.V. (222) 286-02-62
Km. 9 Carr. Fed. Pue-Tehuacan (222) 286-02-45
PueblaDistribuciones Industriales de Puebla, S.A. De C.V. - 30 Norte 2214 (222) 235-57-07
Puebla.....Refaccionaria Industrial Lamuño Hnos., S.A. De C.V. -11 Sur 2101 (222) 240-40-00
Puebla.....Rilsa 2000, S.A. De C.V. — Calle 'C' No. 14 Parque Industrial (222) 282-81-81
Puebla.....Stahltool, S.A. De C.V. -Av. 29 Ote. Col. Ladrillera Benitez (222) 240-70-68

QUERETARO

Querétaro.....Ferreteria Oviedo, S.A. De C.V. - 5 de Febrero No. 1606 (442) 217-07-77
Querétaro*Herramientas y Reparaciones Industriales, S.A. De C.V. (442) 220-86-96
Prolongación Corregidora Norte # 977 Col. Villas del Parque
San Juan del RioFerreteria Oviedo, S.A. De C.V. - Lib. A Tequisquiapan Km. 3.5 (427) 272-10-46

QUINTANA ROO

Cancun *Centro Ferretero de Cancun, S.A. De C.V. (998) 884-37-83
Av. López Portillo 109 Apartado Postal 2-119

SAN LUIS POTOSI

San Luis Potosi *Sistemas de Fijacion y Soporteria Clevis, S.A. De C.V. (444) 817-83-36
Calle 16 # 388 Col. Industrial Aviación
San Luis Potosi*Herramientas Electricas y Neumaticas.-Paseo de los Nardos No. 140 (444) 816-24-63

SINALOA

Culliacán *Ing. Bulmaro Mendoza Ruvalcaba - Agustín Lara 149 Oriente (667) 712-91-71
Interior 3 a espaldas de la cruz roja

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Hermosillo *Distribuidora de Soldaduras Automáticas (662) 210-50-30
José S. Healy # 280 y 12 de Octubre Col. Balderrama
HermosilloAispell Productos Mineros S.A. De C.V. (662) 215-56-69
Nayarit No. 61 Esq. Con Garmendia (662) 215-57-08
San Luis Rio ColoradoEquipos Soldaduras y Seguridad Industrial, S.A. De C.V. (653) 534-85-55
Calz. Constitución y Hermosillo # 418

TABASCO

Villahermosa.....Spray Weld, S.A. De C.V. - Av. Cesar Sandino # 305 (993) 352-11-53

TAMAULIPAS

MatamorosTlapalería y Ferreteria Rodriguez, S.A. De C.V. (868) 816-33-97
7ª # 115 Col. Centro
Nvo. Laredo.....Materiales Gonzalez Treviño, S.A. De C.V. (867) 715-20-19
Guatemala # 3863 Col. Centro
Tampico *CF Anclajes y Herramientas.- Carr. Tampico-Mante 103-C (833) 226-31-51
ReynosaPrime Equipment, S.A. De C.V. (899) 926-48-22
Carr. Rio Bravo Km. 94.5 Col. Presa de la Laguna
AltamiraPrime Equipment, S.A. De C.V.- Carr. Tampico Mante Km. 12.6 (833) 226-74-00

VERACRUZ

Veracruz.....Ferreteria Ruben, S.A. De C.V.- Allende 2531 Col. Centro (229) 932-75-87
VeracruzConstruccion e Ingenieria SAC S.A. De C.V. (229) 981-24-37
Cocoterol Lote 10 Mza. XII A Cd. Ind. Bruno Pagliai
Coatzacoalcos* BR Comercializadora (Blanca Rios Rios) Juárez # 703-A Col. Centro (921) 212-33-32

ZACATECAS

Jerez *Big Espinoza, S.A. De C.V. (494) 945-30-13
Calzada Suave Patria No. 30 Col. San Francisco
ZacatecasBig Espinoza S.A. De C.V. Calle 2 No.201. Fracc.Boulevares (492) 924-35-65

AUTHORIZED DISTRIBUTORS AND SERVICE STATIONS-CARIBBEAN REGION

ARUBA

Oranjestad*	Dijtham Aruba, Italiestraat 22	(297-8) 89526
Oranjestad	WEMA Home and Hardware, Ponton 75B	(297-8) 31000

BAHAMAS

Freeport*	Freeport Gases, Ltd., Queens Hwy.	(242) 352-6761
Nassau	Bahamas Welding & Fire Co., Ltd., #70 Wilton St. East	(242) 394-0004
Nassau*	J.B.R. Building Supplies, Wullff Road Opposite Mackey Street	(242) 393-0512

BARBADOS

Holetown, St. James	C & I Hardware Ltd., Second Street	(246) 432-1354
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BRITISH VIRGIN ISLANDS

Tortola*	Simm's Bo It Best Home Center, Port Purcell	(284) 494-3636
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CURACAO

Curacao	Atlantic Trading Kooyman NV, Kaya W.F.G. Mensing 44	(599-9) 461-3333
Otradamda*	Dijtham Curacao N.V., Oude Caracasbaaiweg Z/N	(599-9) 465-4365

CAYMAN ISLANDS

Georgetown	Associated Industries, 327 North Sound Rd.	(345) 949-2946
Georgetown*	Kirkonnell Bros., Eastern Ave.	(345) 949-2521
Grand Cayman	Larry's Hardware, Eastern Ave.	(345) 945-1500

DOMINICAN REPUBLIC

Santo Domingo*	Materiales Industriales, Avda. San Martin, casi esquina, Maximo Gomez, No. 183	(809) 227-6911
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GRENADA

St. George	Jonas Browne & Hubbard, San George Ave.	(901) 942-6188
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JAMAICA

Kingston	Delta Supply Co., 106 Hagley Park Rd.	(876) 923-6025
Kingston*	Engineering & Marketing Services, 9 Ruthven Rd.	(876) 929-3850

PUERTO RICO

Barceloneta	Rush Industrial Service & Supplies, Inc., Carr. #2 Km. 57.2, Cruce Davila	(787) 846-9189
Bayamon	Home Depot #6401, 725 W. Main Ave., Suite 860	(787) 778-2580
Bayamon	Home Depot #6405, Rexville Town Ctr., State	(787) 279-7990
Bayamon*	Puerto Rico Wire Products, Corujo Industrial Park, Rd. 866, 2 at #8	(787) 288-8080
Boqueron	Herramientas y Equipos Ferrer, Road 301 Km. 6.6	(787) 254-2086
Caguas*	American Equip./Fluor Daniel Caribbean, Inc., State Rd. 175 Km. 03	(787) 747-9650
Caguas	Home Depot #6403, Thd Las Catalinas Mall	(787) 701-1400
Caguas	José Antonio Agosto/Caguas Industrial Tools, Ave. Degetau AA-6, Bonneville Heights	(787) 746-8564
Caguas	Pneumatics & Hydraulics, Inc., Carr. #1 Km. 34.1, Villa Blanca Ind.	(787) 743-0544
Carolina	Graybar International, Bestthree Bldg. Lot A, LMM Airport (Cargo Area)	(787) 622-2255
Carolina	Home Depot #6402, Parque Escorial Bo., San Anton Carr.	(787) 776-1000
Carolina	Home Depot #6409, 65th Infantry Ave. Km. 11.7, Los Colobos Shopping Centro	(787) 257-1555

PUERTO RICO (continued)

Carolina	Ventor Corporation, Campo Rico Ave. Km. 1.2, Castellana Gardens	(787) 752-1740
Catano	Grainger Caribe, Inc., Ind. Vista del Morro Ave. Blvd. #2	(787) 275-3512
Guaynabo	Graybar International, 21 St. Km. 4.8, Paramount Industrial Park	(787) 783-0943
Humacao*	National Rental & Sales, Ave. Cruz Ortiz Stella #114	(787) 852-4747
Manati*	M. Otero y Cia Inc., Puerta del Sol, Shopping Center	(787) 854-2064
Mayaguez	Home Depot # 6407, State Hwy. No. 2 Km. 149.5, Sabentas Ward	(787) 834-4200
Mayaguez	Sultana Fastening Systems, Inc., Calle Concordia #256, Cruce Del Malecón	(787) 834-2555
Ponce	Home Depot # 6406, Carr. #2 Km. 0.25, El Tuque Industrial Park	(787) 843-8140
Ponce	Merino De Ponce, Inc., 979 Hostos Ave., Suite #5	(787) 844-2000
Rio Piedras*	Herramientas Industriales, Calle #927 Torcaza Country Club	(787) 750-4820
San Juan*	Astro Industrial Supply Inc., Avenida Fernandez Juncos No. 519, Puerta de Tierra	(787) 721-4041
San Juan	ECONO Tools, 1131 Ave. Roosevelt, Puerto Nuevo	(787) 783-8213
San Juan*	Ferreteria Abraham Inc., 16 S.O. St. #1534, Caparra Terrace	(787) 782-6033
San Juan*	Fuerza Industrial, 1226 Ave. Jesus T. Pinero	(787) 783-0262
San Juan	Home Depot #6408, State Hwy. 52 & SR 842, Monteheidra Towne Ctr	(787) 731-1200
San Juan*	Industrial Power Tools, R.H. Todd Ave. #902, Santurce	(787) 721-4681
San Juan	Teddy Diaz Fastening Systems, Ave. Andalucia #704, Pto. Nuevo	(787) 781-9889
Vega Baja*	Almagive, Inc. dba General Tool & Repairs, 4245 Carr. #2, Suite #2	(787) 807-5242
Vega Baja*	Centro Servicio del Norte, Carr. #2, Km. 39.2, Bo Algarrobo	(787) 855-5356

ST. CROIX

Christiansted*	Reliable Rentals, #3 Estate Pearl	(340) 778-5738
Gallows Bay	Gallows Bay Hardware, 5020 Anchor Way	(340) 773-1034

ST. MAARTEN

Cole Bay	Electec N.V., 25A Waterford Rd.	(599) 544-2051
Cole Bay	St. Maarten Electric, 52 Wellington Rd.	(599) 544-5067

ST. THOMAS

Charlotte Amalie*	Allied Rental Center, 2-1-C Estate	(340) 775-5134
Charlotte Amalie	East End Lumber & Hardware, 396 Annas Retreat	(340) 775-3993

TRINIDAD AND TOBAGO

Port of Spain	A.S. Bryden & Sons, Bhagoutie Trace, San Juan	(868) 674-7896
Port of Spain	Bhagwanshings Hardware, Beetham Hwy. #1 Development Circular Rd.	(868) 627-8335
Port of Spain*	Laughlin & DeGannes Ltd., #37 Dundonald St.	(868) 625-1712
Port of Spain*	Marc One Industrial Supply, 13 O'Connor Street, Woodbrook	(868) 625-6115
Port of Spain	Pillai's Tools Co., 39 Ariapita Ave., Woodbrook	(868) 625-6807
Port of Spain	Thomas Peak & Co., #177 Western Main Road, Cocorite	(868) 622-8816
Port of Spain	William H. Scott Ltd., 23/29 Independence Square	(868) 623-2181
San Fernando*	Southern Supplies, 40-44 Sutton St.	(868) 657-5194

AUTHORIZED DISTRIBUTORS AND SERVICE STATIONS-CENTRAL AMERICA REGION

BELIZE

Miami, FL 33186 USA	Florida Expeditors, Inc., 13008 S.W. 133 Court	(305) 256-0012
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COSTA RICA

San Jose*	Torneca, S.A., 1 Kilometro Este Plaza del Sol, Curridabat	(506) 207-7777
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EL SALVADOR

San Salvador	Almacenes Vidri S.A., 21 Avenida Sur Entre 12 y 14 Calle Pte.	(503) 271-4033
San Salvador*	Ancla Fabrigas, Calle Gabriela Mistral y Ave. Del Prado # J-234	(503) 225-5020

GUATEMALA

Guatemala City*	Fabrigas, S.A., 41 Calle 6-27, Zona 8	(502) 440-9696
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Guatemala City	Infinito, 11 Calle 12-28, Zona 11	(502) 475-3141
Guatemala City	Novex S.A., 13 Av. 17-33, Zona 10	(502) 367-0701

HONDURAS

San Pedro Sula*	Aceyco S.A., 16-17 Calle Ave. Circunvalacion, Bo Paz Barahona	(504) 553-0135
Tequigalpa	Aceyco y Asociados, Anillo Periferico, Col la Canada	(504) 230-3566
Tequigalpa	Indufesa, Calle Principal #401, Colonia San Jose Del Pedvegal	(504) 234-0856

PANAMA

Colon*	Ace International Hardware, Calle 14 Santa Isabel, Zona Libre de Colon	(507) 445-1500
Panama City*	Centro Industrial, S.A., Via Cincuentenario, Panama Viejo	(507) 224-2233

AUTHORIZED DISTRIBUTORS AND SERVICE STATIONS-SOUTH AMERICA REGION

COLOMBIA

Bogota*	Fijaciones Torres M. y Cia. Ltda., Avenida El Dorado 84A-55, Local 122 Central Comercial Dorado Plaza	(57-1) 410-1006
Bogota*	Fijaciones y Herramientas Ltda., Diagonal 17 No. 27-13	(57-1) 360-3939
Bogota*	Molher Ltda., Diagonal 15 No. 25-20	(57-1) 247-9727
Bogota	T. Y. Constructores, Ltda., Ave. Eldorado 84A-55, Local A-122	(57-1) 410-4011

ECUADOR

Guayaquil	Indura-Solecsa Sub., Km. 14.5 Via a Daule	(593-4) 2 893 752
Quito*	Sistanfij Cia. Ltda., 132N 34B Lallement y Av. America	(593-2) 2 244 957

GUYANA

Georgetown*	AKD Trading (Toucan Industries) 10 Water St.	(592) 225-3908
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SURINAME

Paramaribo*	N.V. Suriname Earth Moving Contractors-SEMC Hardware Kernkampweg 32	(597) 491-1277
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VENEZUELA

Caracas*	Corporacion Ricape, C.A., Av. Las Acacias Sur, Qta. Sol (al lado Hotel Odeon) P.B. Loc. A, Urb. San Antonio, Sabana Grande	(58) 212 794 1320
Caracas*	HERTEC, C.A., Centro Integral, Oficina 207, Santa Rosa	(58) 212 992 6549

AUTHORIZED DISTRIBUTOR/SERVICE STATION-AMERICAN SAMOA

Pago Pago*	Tools, Inc., Daniel Inoye Industrial Park	(684) 699-2420
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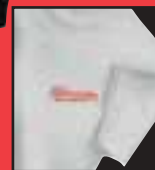
WALL CLOCK
12-1/2" diameter wall clock. Features Respect logo with slogan. MT107



16-OUNCE TUMBLER
Fits in most auto and truck built-in drink holders. Color insert features Respect logo and slogan. MT113



SPANISH "RESPECT" T-SHIRTS
Heavy-weight, 100% cotton, jersey knit. Milwaukee logo on left chest and full graphic on back. L-XXL
Black T-Shirt MT158
Ash T-Shirt MT159



Red Milwaukee logo on front of tee

Back view: "¿Que seira de la construcción si no hubiera latinos? Nada."



TOOL BAG COOLER
Insulated soft side cooler with large compartment and 2 outside pockets. Holds up to twelve cans and ice. Silk-screened logo on front pocket. MT121



DISTRESSED CAP
Black cap has worn-in, comfortable look. Embroidered Milwaukee logo on front and lightening bolt on back strap. MT132



ZIPPER BOTTLE BUDDY
Red high density polyester with zippered closure. Silk-screened logo on one side. MT130



HEAVY DUTY SPORT SHIRT
100% cotton, black polo with trim, three-button placket, and drop tail. Embroidered Milwaukee logo on left chest. M-XXL
MT137



COTTON DO RAG
Red, 100% cotton. Silk screened logos. MT145



HEAVY DUTY DENIM JACKET
100% cotton denim. "Heavy Duty Gear" label on inside neck band. Embroidered Milwaukee logo on left chest. M-XXL
MT142



PIGMENT DYED SWEATSHIRT
80% cotton/20% poly sweatshirt with open bottom and drawstring hood. Distressed silk-screened Milwaukee logo on chest and Heavy Duty logo on lower left hem. Color: Smoke. M-XXL
MT138



CHAMPION® CLASSIC FLEECE CREW
85% cotton / 15% polyester, 10.2 oz. Oxford Gray sweatshirt full athletic cut. Ribbed cuffs, neck and waistband. Silk-screened logo full front M-XXL
MT041



COUNTER STOOL
30" high. 14" diameter seat has 360° swivel. Chrome legs with plastic end caps. Black seat with silk-screened logo on top. MT103

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