

Cooper Tools

MASTER POWER INDUSTRIAL AIR TOOLS



Master Power®

INDUSTRIAL AIR TOOLS

**COOPER** Tools

SP-904 0603 15M

SP-904 0603 15M

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It is the user's responsibility to refer and comply with ANSI B7.1

WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90 psi (620 kPa). Follow cutting tool manufacturer's mounting & operating instructions.

CooperTools Division has attained ISO 9001 Quality System Certification for eight of our facilities. The driving force behind the implementation of the Quality System is the commitment "to provide our customers with the **best value delivered** by offering only products and services **that meet or exceed their expectations**".



Lexington, South Carolina



Dayton, Ohio



Hicksville, Ohio



Houston, Texas



Springfield, Ohio



Westhausen, Germany




Ozoir-la-Ferrière, France



Braunschweig, Germany


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• Indicates a Rapid Select model. Refer to page 4 for description of Rapid Select. 



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• Indicates a Rapid Select model. Refer to page 4 for description of Rapid Select. 

WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90 psi (620 kPa). Follow cutting tool manufacturer's mounting & operating instructions.



It is the user's responsibility to refer and comply with ANSI B7.1

Over Half A Century Of Excellence

Since our founding in 1939, Master Power has been producing quality air tools for a complete range of industrial applications.

Today, as part of CooperTools, that tradition of quality continues. Innovative design, computer controlled facilities, special alloys for critical parts, hand assembly, meticulous quality control – all contribute to the Master Power reputation for superbly crafted, durable air tools.

Most of our current employees can boast of over two decades of experience in the design and manufacture of these precision tools.



Customer Service – The Real Challenge

With products of such superior quality, it's no great challenge to make a sale. The real challenge is providing the courteous treatment, prompt delivery and a full inventory of parts (many of them interchangeable for ease of repair) that customers expect. This task is accomplished at Master Power by one of the largest service networks in the industry where "service after the sale" is not just an afterthought.

Your Master Power Distributor – A Good Person To Deal With

- You get fast delivery. Your Master Power Distributor maintains a constantly replenished warehouse...a single, convenient source of supply that acts as your equipment storehouse.
- Your shipping costs are lower because the shipping point is nearby.
- You deal with people who know your field as well as their own...people with a vital interest in the business of the community.
- Distributor salesmen are trained in the proper use and application of power tools. They're qualified to assist you in selecting the right tool for the job.



- You get quick service, catalog and price information, tools and parts, warranty administration, technical help and much more.
- You deal with credit established at the local level.
- You get a lot more than a power tool when you buy from your Master Power distributor.

Rapid Select Means Fast Delivery



Models indicated with a **Rapid Select** icon represent our most popular tools, and are available for fast delivery on limited quantities.



CooperTools Is On The Web!

CooperTools is pleased to unveil a complete resource for power tools on-line. www.coopertools.com offers product information, service literature, brand catalogs, press releases and more. A dominant source of information, the CooperTools' web site is your source for application solutions on-line.



Making your job easier is our goal!

You can access service literature anytime. Choose a category such as Assembly Tools or Material Removal Tools from the main menu and then click on the brand you're looking for. You'll be on your way to any current service literature you need, whether it's Master Power, Cleco, Apex or any of our power tools' brands.

Up-to-date product catalogs are also available online providing you with current information on our broad product line. Even Material Safety Data Sheets (M.S.D.S.) for Safety and Disposal Information are available on our website.



It's simple!

Our *Customer Service* section provides you with information such as answers to frequently asked questions or contact phone numbers and addresses for your area of the country. You can learn more about CooperTools in the *About Us* section or browse through the *What's New* information to learn how CooperTools continues to be your source for solutions.



For even faster searches, you can go direct to a brand site by simply entering the brand name. Entering

www.masterpowertools.com takes you directly to the brand site.

What is the future of www.coopertools.com? A dynamic site continuing to focus on your need for up-to-date information on the latest CooperTools' offerings that you can access anytime you need...twenty-four hours a day, seven days a week!



Tool Operation

Warranty

Cooper warrants products and parts sold by it, insofar as they are of its own manufacture, against defects of material and workmanship, under normal use and service in accordance with its written instructions, recommendations, and ratings for installation, operation, maintenance, and service of products, for a period of **ONE YEAR FROM THE DATE OF INITIAL USE, BUT IN NO EVENT SHALL THE WARRANTY EXCEED 24 MONTHS FROM DATE OF DELIVERY TO DISTRIBUTOR.** Proof of Purchase with shipment date must be furnished by the user to validate the warranty. This warranty applies only to products manufactured by Cooper and specifically excludes products manufactured by others. Products not manufactured by Cooper are warranted only to the extent and in the manner warranted to Cooper by the manufacturer and then only to

the extent Cooper is able to enforce such warranty. Cooper's warranty with respect to products manufactured by it is limited to the repair or replacement, as Cooper may elect, of any defective part regarding which the Distributor has given 5 days written notice from the discovery of such defect. Installation and transportation costs are not included. Cooper shall have the option of requiring the return to it of the defective material, transportation prepaid, for inspection. No allowance will be made for repairs without Cooper's approval. **COOPER MAKES NO OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, AND HEREBY DISCLAIMS ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

Lubrication Products

CooperTools' products are classified as non-hazardous manufactured items, defined in the OSHA 1910.1200 Hazard Communication Standard as "Articles". These products, under conditions of normal use, do not release or cause exposure to a hazardous chemical.

Under normal conditions of use, lubrication products sold separately for or used within these tools should not cause an exposure hazard. Refer to the Material Safety Data Sheet (M.S.D.S.) for Safety and Disposal Information. M.S.D.S. sheets are available upon request from CooperTools or on our website at www.coopertools.com.

Cooper is also aware of, and complies with, the provisions

of section 611 amendments to the Clean Air Act of 1990. No ozone depleting chemicals have been used in the manufacture of our products.

If you resell or distribute these products, you have the responsibility for ensuring that the Material Safety Data Sheets are provided to the purchaser.

Proper lubrication is essential to the economical operation of pneumatic and electric tools. CooperTools products perform better and their life is extended by using the recommended lubricants. All lubricants that are listed in the accessory section of this catalog have undergone extensive testing and are recommended for use with CooperTools products.

Fastener Selection

The suggested fasteners listed in this catalog are determined by matching a tool's maximum rated load to Society of Automotive Engineers (SAE) Grade 5 and International Organization of Standardization (ISO) Grade 9.8 fasteners. The torque capabilities for SAE Grade 5 fasteners are from SAE Manual, SAE J429 (Mechanical and Material Requirement for Externally Threaded Fasteners). The torque capabilities for ISO Grade 9.8 fasteners are from ISO 898-1 (Mechanical Properties of Fasteners). All values selected are based on lubricated fasteners.

The suggested fasteners listed in this catalog are advisory only, and CooperTools recommends that you further consult other technical references before final tool selection. Reliance on the accuracy of this catalog data for any purpose by anyone is at the sole risk of that person. CooperTools is not responsible for any loss, claim, or damage arising from improper tool selection.

The torque values listed under the headings "TORQUE" are tested on an ISO 5393 soft joint rate test fixture unless otherwise stated by a special note.



WARNING

The signal word "WARNING" indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury; and, identifies safe work practices in this operating instruction. Observe these notes and proceed with special care in these cases. Pass all safety instructions on to other users. In addition to these instructions, the general local safety and accident prevention rules must be observed.



CAUTION

The signal word "CAUTION" identifies all situations meriting special attention to ensure that guidelines, rules, hints and the correct work procedures are observed; and, to prevent damage to and destruction of the machine and/or parts.

Operational Instructions

- These CooperTools portable and mountable tools are air powered. **ALWAYS USE CAUTION WHEN USING POWER TOOLS FOR PERSONAL SAFETY.**
- **General Industry Safety & Health Regulations, part 1910, OSHA 2206, available from Superintendent of Documents; Government Printing Office; Washington, DC 20402**

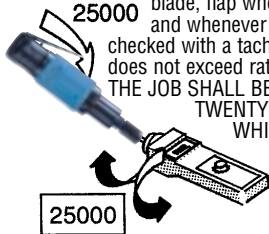
- **Safety Code for Portable Air Tools – ANSI B1861 available from American National Standards Institute, Inc.; 1430 Broadway; New York, NY 10018**
- **State and local regulations.**
- **Use only genuine CooperTools replacements parts.**





WARNING

Before mounting any abrasive wheel, buffing wheel, wire brush, saw blade, flap wheel or other product, after all tool repairs and whenever a tool is issued for use, the RPM shall be checked with a tachometer to insure that its actual speed does not exceed rated speed. **GOVERNED TOOLS IN USE ON THE JOB SHALL BE CHECKED AT LEAST ONCE EVERY TWENTY HOURS OF USE, OR ONCE WEEKLY, WHICHEVER IS MORE FREQUENT.** Tachometers must be checked and calibrated on a regular basis according to the manufacturer's recommendations.



WARNING

Select proper guards for the application and mount securely and properly. Always mount guards so that abrasive debris, sparks, etc., are deflected away from the operator.

Safety guards shall be in good condition. Any guard which has been subjected to a wheel failure shall be discarded and replaced.



WARNING

Tools shall be used for purposes intended in their design. Refer to product catalog.

Modification of the tool, or use of non specified accessories, may result in serious injury.

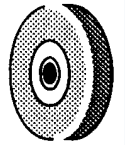


WARNING

Speed rating of abrasive wheel, buffing wheel, wire brush, saw blade, flap wheel, or other products used, must equal or exceed speed rating of tool.

Exceeding the speed of accessories may cause failure of these products and serious operator injury.

Wheels must clearly show the rated speed for its use, or must be discarded and not used.



WARNING

Test and operate tools at 90 PSIG (620 kPa/6.2 bar) maximum pressure (measured at the tool while the tool is running) unless tool is marked otherwise. Use recommended air line filters – regulators – lubricators.

Always remove the air supply hose before working on the tool or changing accessories



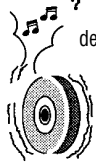
WARNING

Wear impact resistant goggles or face shield at all times the tool is in operation. Other protective clothing shall be worn, if necessary, for spark protection deflection. SEE REGULATIONS.



WARNING

Immediately shut off the tool if unusual sound or vibration is detected. Remove and inspect the wheel and check the tool speed (RPM). Use of over-speeding grinder or unbalanced wheels may result in serious injury.



WARNING

High sound levels can cause permanent hearing loss. Use hearing protection as recommended by your employer or OSHA. See 29CFR Part 1910.



WARNING

Each type of wheel, wire brush, saw blade, flap wheel and other product, has specific mounting procedures and regulations concerning spindles, flanges, blotters, collets, etc., which shall be used. Wheels must mount on tool's spindle freely but not loosely. Spindle nuts must be tightened so as not to crack the wheel with too much force. Nuts must have all thread engagement.



WARNING

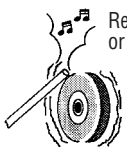
Employ a safety program to provide inspection and maintenance of all phases of tool operation and air supply equipment in accordance with "Safety Code for Portable Air Tools," ANSI B186.1.

Make sure that all repairs are by trained personnel only and that these safety instructions are understood by the user.



WARNING

Regularly inspect all wheels, etc., and discard cracked, chipped or otherwise damaged units. Redress out-of-balance wheels. SEE REGULATIONS.



WARNING

When mounting any grinding wheel, the tool shall be run at operating speed with the safety guard in place, in a protected area such as under a work bench, for at least one minute. A damaged wheel should fail within that time.

Any suspect wheel of unknown origin shall not be used and must be properly disposed.



The solution for finishing it right.

Master Power offers one of the most complete range of pneumatic equipment for rubbing, sanding and polishing in the world today. Master Power products are in demand by craftsmen and professionals in a wide variety of industries throughout the world. If you are working with wood, composites, solid surface, metal or stone, Master Power has a product that will provide a cost effective finish to your exacting standards.

Major Product Improvements

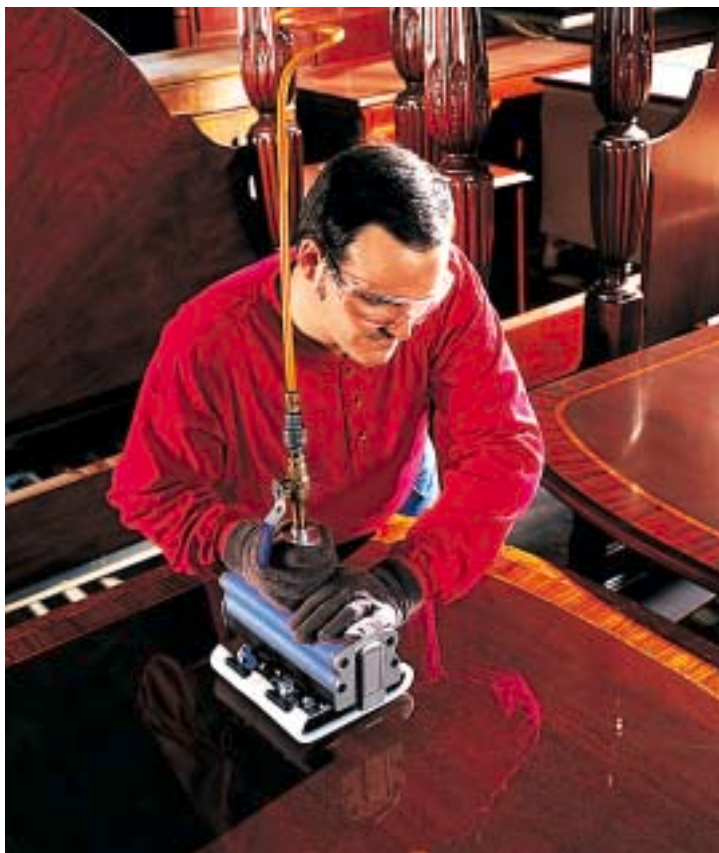
Significant improvements have been made across the complete range of Master Power products to assure you, our customer, of our continued commitment to enhance your productivity. Just a few of the improvements that will benefit you and make your work more pleasurable: Less Vibration . . . Quieter Running . . . More Power . . . Ease of Repair . . . Reduction in Parts Inventory.

When you want the best, ask for Master Power! Available from your Industrial Distributor.


MP4400-05
MP4470-09

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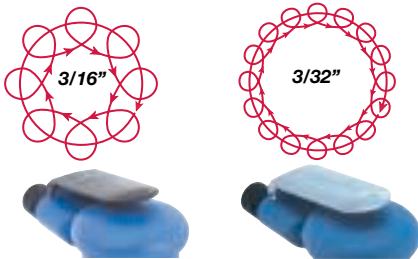
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90 psi (620 kPa). Follow cutting tool manufacturer's mounting & operating instructions.



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MP4400 SERIES RANDOM ORBITAL SANDERS

- New improved air shield shaft balancer for longer bearing life.
- The low profile gives the operator more sanding control and greater comfort.
- Consumes less air than comparable tools— ideal for small shops with smaller compressors, yet can run economically in large industrial plants.
- Light weight & low vibration are benefits attributed to the use of high-strength polymer materials. All the qualities of metal without the weight!
- 3/16" orbit pattern for fine finishing or 3/32" orbit pattern for superb finishing.



- Levers allow users to visually see difference between 3/16" & 3/32" machines.



Durable high carbon steel lever won't break off

Sintered bronze one piece muffler does an excellent job of muffling noise and does not clog as easily as competitive models. When needed, makes servicing tool easy.

3 interchangeable grips to reduce fatigue and increase user comfort shipped standard with every sander



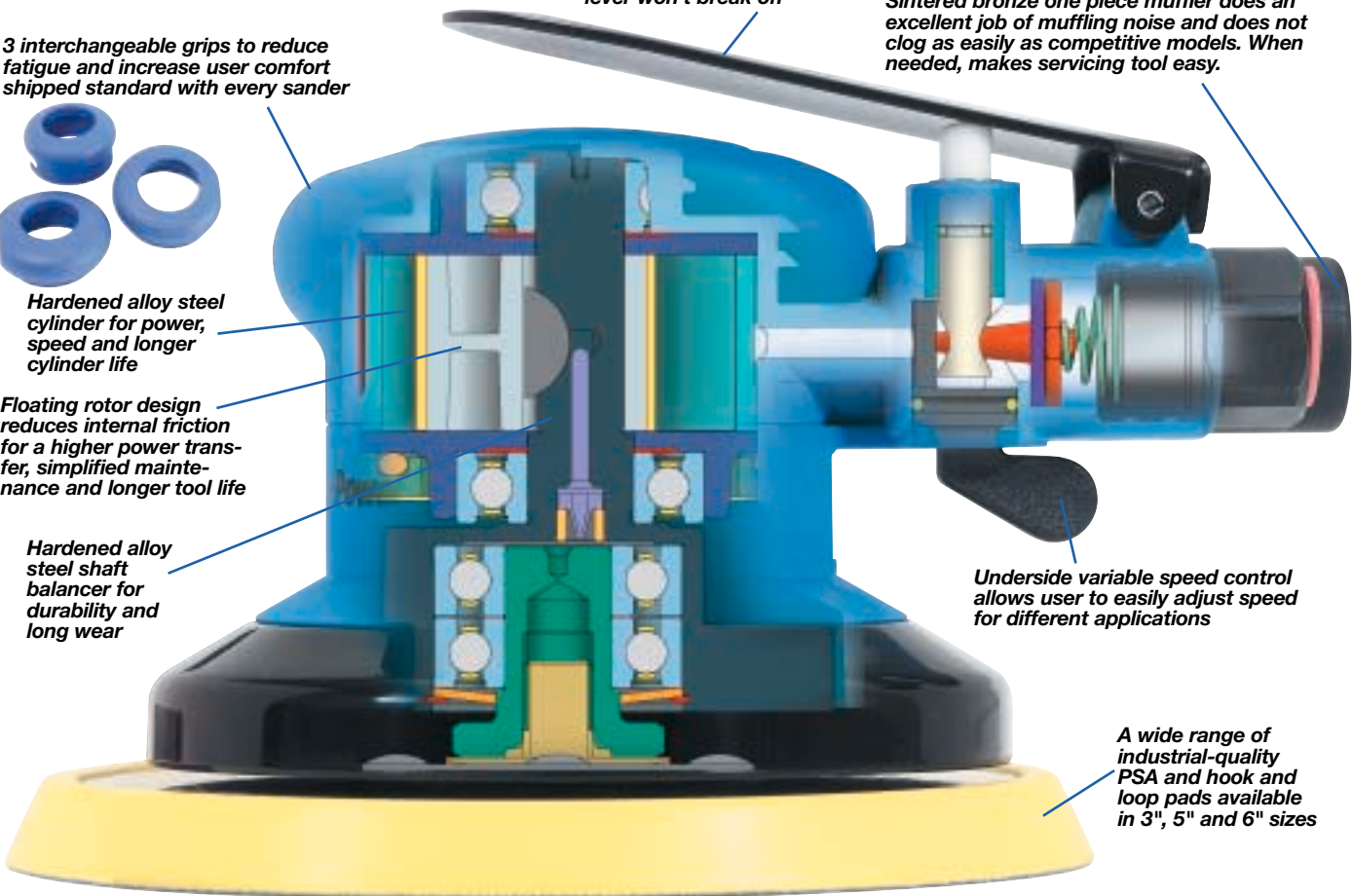
Hardened alloy steel cylinder for power, speed and longer cylinder life

Floating rotor design reduces internal friction for a higher power transfer, simplified maintenance and longer tool life

Hardened alloy steel shaft balancer for durability and long wear

Underside variable speed control allows user to easily adjust speed for different applications

A wide range of industrial-quality PSA and hook and loop pads available in 3", 5" and 6" sizes



MP4400 & MP4403 SERIES RANDOM ORBITAL SANDERS

Model Number		Back-up Pad / Sanding Pad Size	Free Speed rpm	Weight		Height		Length			
3/16"	3/32"			lb.	kgs.	in.	mm	in.	mm		
12,000 RPM – Non Vacuum											
	MP4400-03		3.5	12,000	1.56	0.71	3.33	84.58	5.11	129.79	
	MP4400-05		MP4403-05	5.0	12,000	1.62	0.73	3.33	84.58	5.48	139.19
	MP4400-06		MP4403-06	6.0	12,000	1.68	0.76	3.33	84.58	5.48	139.19
12,000 RPM – Central Vacuum with Shroud											
	MP4400-35	MP4403-35	5.0	12,000	1.66	0.75	3.33	84.58	7.06	179.32	
	MP4400-36		6.0	12,000	1.83	0.83	3.33	84.58	7.06	179.32	
12,000 RPM – Central Vacuum with Skirt											
	MP4400-13		3.5	12,000	1.60	0.73	3.33	84.58	6.98	177.29	
	MP4400-15	MP4403-15	5	12,000	1.73	0.78	3.33	84.58	7.75	196.75	
	MP4400-16		6	12,000	1.90	0.86	3.33	84.58	7.75	196.75	
12,000 RPM – Self Generated Vacuum, Floor Bag, Hose & Skirt											
	MP4400-23		3.5	12,000	1.60	0.73	3.33	84.58	7.99	202.95	
	MP4400-25	MP4403-25	5.0	12,000	1.73	0.78	3.33	84.58	8.33	211.58	
	MP4400-26		6.0	12,000	1.90	0.86	3.33	84.58	8.84	224.54	

GENERAL

Air Inlet 1/4" NPT
 Min. Hose Size: 1/4"
 Tool performance rated at 90 psi (620 kPa) air pressure.
 All threads are 5/16"-24

STANDARD EQUIPMENT

Operating instructions & parts manual
 3/8" low profile, medium density premium urethane back-up pad
 Interchangeable grips (3): 70421900 – 2 1/2"
 70422000 – 2 3/4"
 70422100 – 3"

OPTIONAL EQUIPMENT:

Vac Hose 100704300
 Spare Parts Kit 88004400
 Rotor & Vane Kit 70444800
 Abrasives and Accessories. Pages 27-31

NOTE: For hook & loop pad, add "HL" to the end of the model number.

Refer to Page 4 for description of Rapid Select



MP4470 SERIES ORBITAL SANDERS

- Lightest weight full size orbital sander in the world.
- Consumes less air than comparable tools- ideal for small shops with smaller compressors, yet can run economically in large industrial plants.
- Light weight & low vibration are benefits attributed to the use of high-strength polymer materials. All the qualities of metal without the weight.
- Patent pending pad suspension system that produces unmatched performance.
- 3/16" orbit pattern for fine finishing.
- 3 interchangeable grips (shipped standard with each tool) means less fatigue and greater user comfort no matter what the hand size.



MP4470-07



MP4470-09



MP4470 SERIES 3/16" ORBITAL SANDERS

Clip	Model Number - 3/16"		Abrasive Size	Free Speed opm	Weight		Height		Length		Width	
	PSA	Hook & Loop			lb.	kgs.	in.	mm	in.	mm	in.	mm
10,000 OPM - .24 hp (179 W) – Non Vacuum												
MP4470-09			3 2/3" x 9"	10,000	2.28	1.03	3.94	100.01	6.88	174.63	3.53	89.69
MP4470-07		MP4470-07HL	3 2/3" x 7"	10,000	2.20	1.00	3.94	100.01	6.88	174.63	3.53	89.69
10,000 OPM - .24 hp (179 W) – Central Vacuum												
MP4470-17		MP4470-17HL	3 2/3" x 7"	10,000	2.20	1.00	3.94	100.01	8.78	223.04	3.53	89.69
10,000 OPM - .24 hp (179 W) – Self-Generated Vacuum Hose & Floor Bag												
	MP4470-27	MP4470-27HL	3 2/3" x 7"	10,000	2.37	1.08	3.94	100.01	10.00	254.00	3.53	89.69

GENERAL

Air Inlet 1/4" NPT
 Min. Hose Size: 1/4"
 Tool performance rated at 90 psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Operating instructions & parts manual
 3/8" low profile, medium density premium urethane back-up pad
 Interchangeable grips (3): 70421900 – 2 1/2"
 70422000 – 2 3/4"
 70422100 – 3"

OPTIONAL EQUIPMENT:

Vac Hose 100704300
 Spare Parts Kit 70494300
 Rotor & Vane Kit 70493600
 Abrasives and Accessories, Pages 27-31

Refer to Page 4 for description of Rapid Select

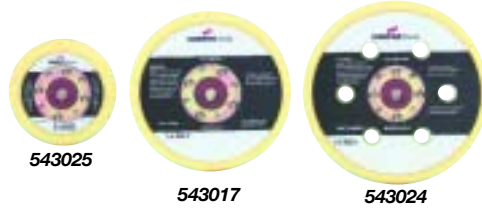


BACKUP PADS FOR RANDOM ORBITAL SANDERS

Low Profile Backup Pads for Random Orbital Sanders

A thinner, harder pad generally recommended for aggressive sanding and leveling of flat surfaces.

Diameter	Thickness	PSA Pads		Hook & Loop Pads	
		Non-Vacuum	Vacuum	Non-Vacuum	Vacuum
3-1/2"	3/8"	543025	543025	543026	543026
5"	3/8"	543017	543018	543019	543020
6"	3/8"	543021	543022	543023	543024



Tapered Edge Backup Pads for Random Orbital Sanders

A thicker, softer pad generally recommended for contour sanding and feather edging.

Diameter	Thickness	PSA Pads
		Non-Vacuum
5"	3/4"	543041
6"	3/4"	543042



Backup Pads for Orbital Sanders

PSA adhesion to tool eliminates the need for any tools when changing pads. Pad remains flat throughout full orbit at any speed.

Diameter	Thickness	PSA Pads		Hook & Loop Pads	
		Non-Vacuum	Vacuum	Non-Vacuum	Vacuum
3-2/3"x7"	3/8"	543011	543013	543012	543014

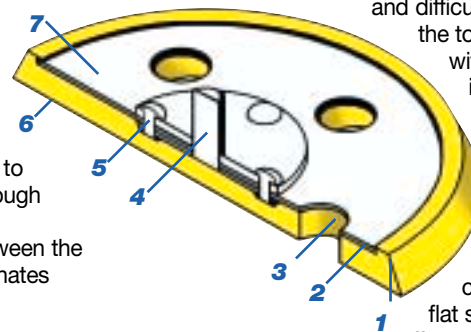


All Pads Are Not Created Equal

The backing pad is a very important interface between the tool and your work. A quality pad performs three main functions. First, it provides a flexible, yet flat surface to mount the abrasive to the tool. Second, a quality pad has a controlled weight and mass that balances with your tool and allows the tool to operate with minimum vibration. Third, a quality pad will be long lasting. The difference between quality pads and other pads can be seen in their components and construction.

Our quality pads have:

- 1 A specially designed, environmentally friendly, molded polyurethane foam**, that dampens vibration to prevent your tool from bouncing, yet is flexible and tough enough to withstand the rigorous operation of dual-action random orbit sanders. A permanent bond between the polyurethane and other components of the pad eliminates separation problems.
- 2 A rugged thermoset fiberglass epoxy backing**, that withstands the abuse of heat, flexing and impact, to keep the pad running flat and true for a long time. Aluminum backings bend from impact and lose their flatness, while heat and flexing cause molded plastic backings to warp, distorting the face of the pad. A pad that is not flat causes vibration which fatigues the user and prevents creating a professional finish.
- 3 Full 1/2" diameter vacuum holes** that match standard paper and allow maximum performance of your tools' vacuum system.



4 A durable welded and plated stud assembly on random orbital pads. Welding assures a permanent alignment between the pad and the tool. Plating assures easy pad removal by preventing corrosion.

5 A stud assembly that is rigidly attached to the backing with four rivets on random orbital pads. Stud assemblies that are molded in place can loosen and strip, causing poor performance and difficulties when removing the pad from the tool. A large, flat, raised steel washer with a four rivet attachment forms an ideal distributor of stress. This assures perfect alignment with all tools, and allows the pad to remain in service for a long time.

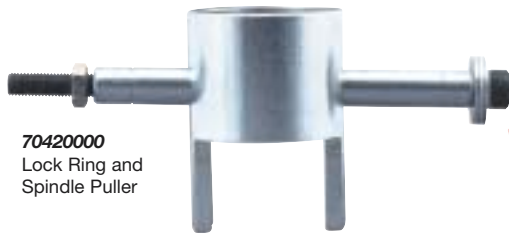
6 An embossed vinyl facing or hook facing that is intimately molded with the polyurethane to create a permanent durable and flat surface. Embossed vinyl facings offer maximum adhesion with PSA style paper while operating the tool, yet allow quick and easy replacement. Quality hook facings also offer secure adhesion yet quick and easy removal.

7 Strict tolerance on weight, balance, roundness, and flatness. A pad that is not the correct weight, out of round, out of balance, or uneven causes vibrations which fatigue the user and prevents creating a professional finish. Strict tolerances assure you that each pad performs consistently for a long time.

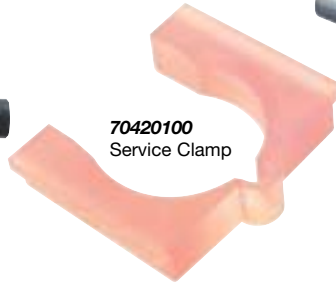


Service Repair Tools

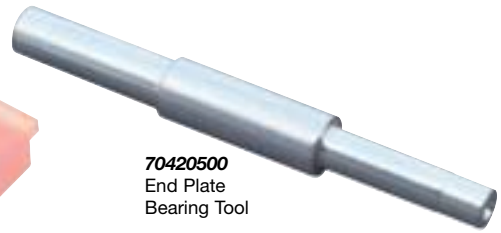
Not supplied with tool.



70420000
Lock Ring and
Spindle Puller



70420100
Service Clamp



70420500
End Plate
Bearing Tool



70505200
Sander Motor Removal



MP4705 SERIES MASTERFILE

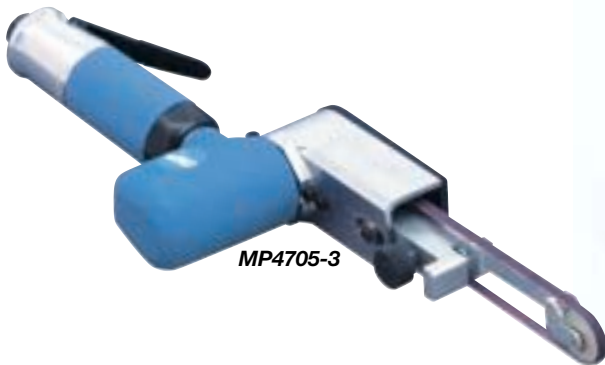
When you order the new MasterFile as a kit you'll get all three interchangeable contact arms, for a variety of applications. (Contact arms are available individually.) Get the most out of this tool—grind corners, enter grooves, deburr, strap polish or even enter channels.

In addition to the unique belt cover, which makes changing belts quick and easy, you'll have the option of using the non-woven nylon or coated abrasive belts on a variety of surfaces. As if all that wasn't enough, the MasterFile has a 7° offset and a 360° pivoting head for user comfort and task specific accuracy.

- Interchangeable contact arms for the MasterFile or your existing arms.
- Exclusive belt cover for quick and easy belt changing.
- 360° pivoting head for accuracy and user comfort.
- Hardened steel knurled drive for durability.
- Sleeve protects tensioning mechanism from dust and other contaminants.



MP4705-1



MP4705-3

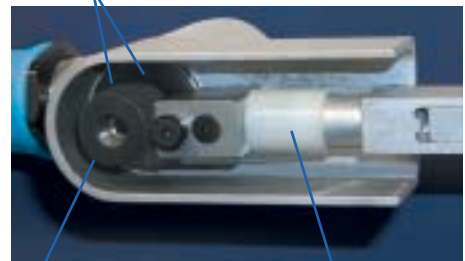


Strap Polish



Enter Channels

Exhaust cools abrasive to eliminate overheating and minimize abrasive loading



Hardened steel knurled drive for durability

Sleeve protects tensioning mechanism from dust and other contaminants



MP4705 SERIES MASTERFILE

Model No.	Contact Arm	Length		Weight		Belt Size	Power		Motor Speed	Belt Speed		
		In.	mm	lbs.	kg		hp	W	RPM	SFPM	SMPM	
Gearless – Front Exhaust												
MP4705-1	Straight	15	381	2.5	1.1	5/8" or 3/4"Wx18"L	.51	380	20,000	4,550	1,382	
MP4705-2	Straight	15	381	2.5	1.1	1/2"Wx18"L	.51	380	20,000	4,550	1,382	
MP4705-3	Offset	15	381	2.5	1.1	1/8", 1/4", 5/16", or 1/2"Wx18"L	.51	380	20,000	4,550	1,382	
MP4705K	Straight/ Offset	15	381	2.5	1.1	(See details below)	.51	380	20,000	4,550	1,382	
MP4705SR-1650		7.5	190	2.0	.91	200 Series Collet Chuck	.51	380	20,000	-	-	

GENERAL

Air Inlet 1/4" NPT
 Min. Hose Size: 1/4"
 Tool performance rated at 90 psi
 (620 kPa) air pressure.
 3/8"-24 External Thread

STANDARD EQUIPMENT

Operating instructions & parts manual
 Tool & Contact arm
 Adjustment Wrench

OPTIONAL EQUIPMENT:

Abrasives and Accessories. Pages 27-31
 MP4705SK MasterFile with lock-off lever (kit)
 Refer to Page 4 for description of Rapid Select

MASTERFILE FINISHING TOOL KIT

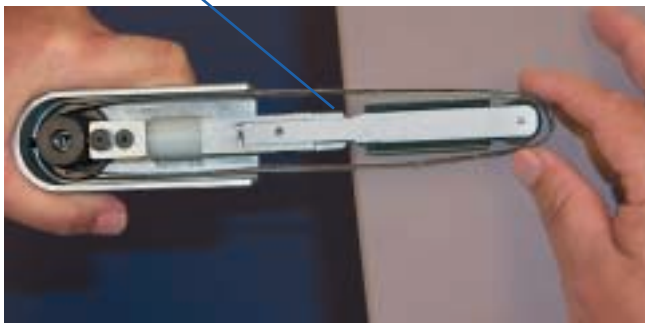
When you order the Masterfile kit you get flexibility and accuracy, because you'll get the tool and all three interchangeable arms as well as the belts and wrenches that go with them. You'll be ready for just about any finishing project when you get your hands on the MasterFile kit.

MASTERFILE KIT MP4705K

Kit includes the following:

- Tool with 3/4" wide straight arm (1) MP4705-1
- Additional Arms (2)
 - 1 - 1/2" wide straight arm 70480700
 - 1 - offset arm 70480200
- 1/4" x 18" Aluminum Oxide Belts (3)
 - 1 - 60 grit 70468000
 - 1 - 80 grit 70468100
 - 1 - 120 grit 70468200
- 1/2" x 18" Aluminum Oxide Belts (3)
 - 1 - 60 grit 70473600
 - 1 - 80 grit 70468500
 - 1 - 120 grit 70468600
- 3/4" x 18" Aluminum Oxide Belts (1)
 - 1 - 60 grit 70473500
- 3/4" x 18" Non-woven Belt (1)
 - Medium 70468900
- Wrenches & Misc. Items
 - 1 - 3/4" open end wrench 70431300
 - 1 - 9/16" open end wrench 70481600
 - 1 - 9/64" hex wrench 70480800
 - 1 - 3/16" hex wrench 70417600
 - 1 - 1/4" collet 70428600
 - 1 - collet cap 70428400
 - 1 - chuck body 70428500
- Carrying Case w/Foam Inserts (1) 70480900

Release Boss allows operator to change abrasive quickly without using a tool.



MP4800 SERIES 0.3 HP INLINE FINISHING TOOLS

Master Power's **MP4800 Series** inline finishing tools are perfect for any surface conditioning application. Whether it's stainless steel, aluminum, wood, solid surface, or fiberglass, inline finishing tools are the obvious choice.

- **Nominal Motor Power**
0.3 hp
0.22 kW
- **950 to 5000 RPM**
- **100% Ball Bearing Construction**
- **Trim Comfortable Ergonomic Design**
- **Lightweight Aluminum Housing**



15° angled handle
keeps hands away
from moving parts.

**100% ball
bearing construction**
for long life.



MP4800 SERIES 0.3 HP INLINE FINISHING TOOLS

Model Number	Free Speed RPM	Motor Spindle Thread	Wheel Arbor Diameter	Weight		Length		Maximum Speed	
				lbs.	kg	in.	mm	SFPM	SMPM
0.3 hp (.22 kW) - Inline Finishing Tool with 5/8" and 1" Diameter Arbor									
MP4811-72	950	3/8"-24 male	5/8" or 1"	2.48	1.12	10.37	263.40	-	-
MP4813-72	3200	3/8"-24 male	5/8" or 1"	2.20	0.99	9.12	231.65	-	-
MP4817-72	5000	3/8"-24 male	5/8" or 1"	2.20	0.99	9.12	231.65	-	-
0.3 hp (.22 kW) - Inline Finishing Tool with 3 1/4" x 3" Pneumatic Wheel									
MP4811-72W1	950	3/8"-24 male	5/8"-11	3.12	1.40	11.25	285.75	808	246
MP4813-72W1	3200	3/8"-24 male	5/8"-11	2.84	1.28	10.00	254.00	2723	830
MP4817-72W1	5000	3/8"-24 male	5/8"-11	2.84	1.28	10.00	254.00	2893	882
0.3 hp (.22 kW) - Inline Finishing Tool with 2 Flutter Discs, Spindle and Arbor Mounted									
MP4813-01FD	3200	3/8"-24 male	-	1.49	0.67	6.75	171.45	-	-
MP4813-01FD	3200	1/4" collet	-	1.34	0.60	7.50	190.50	-	-

GENERAL	STANDARD EQUIPMENT	OPTIONAL EQUIPMENT:
Air Inlet 1/8" NPT (MP4811, MP4813, MP4817) Min. Hose Size: 1/4" Tool performance rated at 90 psi (620 kPa) air pressure.	Operating instructions & parts manual Arbor adapters Wheel wrenches Side handle 70429500	Pneumatic Wheel Inflation Tool: 70432500 Abrasives and Accessories. Pages 27-31 Refer to Page 4 for description of Rapid Select



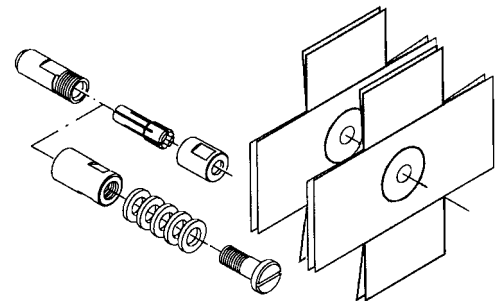
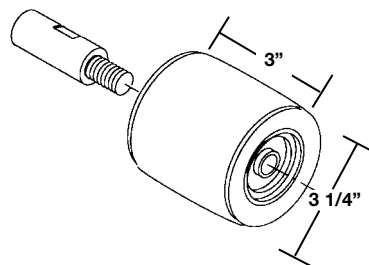
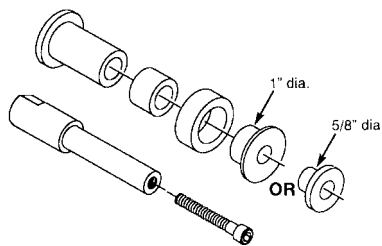
Termination 72
5/8" or 1" Diameter Arbor
(3/8"-24 thread mount)



Termination 72W1
3/8"-24 to 5/8"-11 Arbor
(3 1/4"x3" x 5/8"-11 pneumatic wheel)



Termination 01FD
Spindle or arbor mounted
4" flutter discs or 4" star wheels (stack up to 5)



Note: Tools are shipped complete (including termination) so care should be taken when ordering. For example, if you order Model Number MP4817-72W1, you will receive a 0.3 hp., 5000 RPM tool with a 3/8"-24 to 5/8"-11 Arbor and a 3 1/4"x3" x 5/8"-11 pneumatic wheel.

MP4800 SERIES 0.9 HP INLINE FINISHING TOOLS

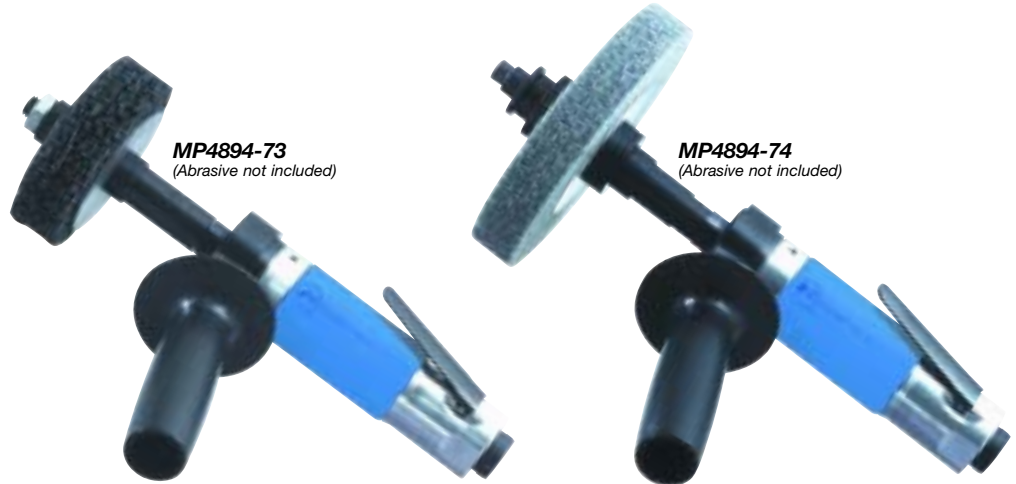
Master Power's **MP4800 Series** inline finishing tools are perfect for any surface conditioning application. Whether it's stainless steel, aluminum, wood, solid surface, or fiberglass, inline finishing tools are the obvious choice.

- **Nominal Motor Power** ■ **3400 to 4500 RPM** ■ **Trim Comfortable Ergonomic Design**
- 0.9 hp ■ **100% Ball Bearing Construction** ■ **Lightweight Aluminum Housing**
- 0.67 kW

MP4800 SERIES 0.9 HP INLINE FINISHING TOOLS

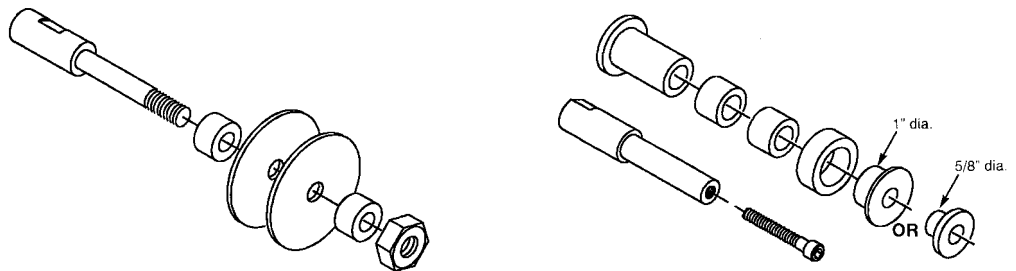
Model Number	Free Speed RPM	Motor Spindle Thread	Wheel Arbor Diameter	Weight		Length		Maximum Speed	
				lbs.	kgs	in.	mm	SFPM	SMPM
0.9 hp (.67kW) - Inline Finishing Tool with 1/2" Diameter Arbor									
MP4894-73	3400	1/2"-20 male	1/2"	3.22	1.45	12.00	304.80	-	-
MP4896-73	4500	1/2"-20 male	1/2"	3.22	1.45	12.00	304.80	-	-
0.9 hp (.67kW) - Inline Finishing Tool with 5/8" and 1" Diameter Arbor									
MP4894-74	3400	1/2"-20 male	5/8" or 1"	3.14	1.41	11.12	282.45	-	-
MP4896-74	4500	1/2"-20 male	5/8" or 1"	3.14	1.41	11.12	282.45	-	-

GENERAL	STANDARD EQUIPMENT	OPTIONAL EQUIPMENT:
Air Inlet 1/4" NPT Min. Hose Size: 1/4" Tool performance rated at 90 psi (620 kPa) air pressure.	Operating instructions & parts manual Arbor adapters Wheel wrenches Side handle 70429600	Pneumatic Wheel Inflation Tool: 70432500 Abrasives and Accessories. Pages 27-31



MP4894-73
(Abrasive not included)
Termination 73
1/2" Diameter Arbor
(3/8"-24 thread mount)

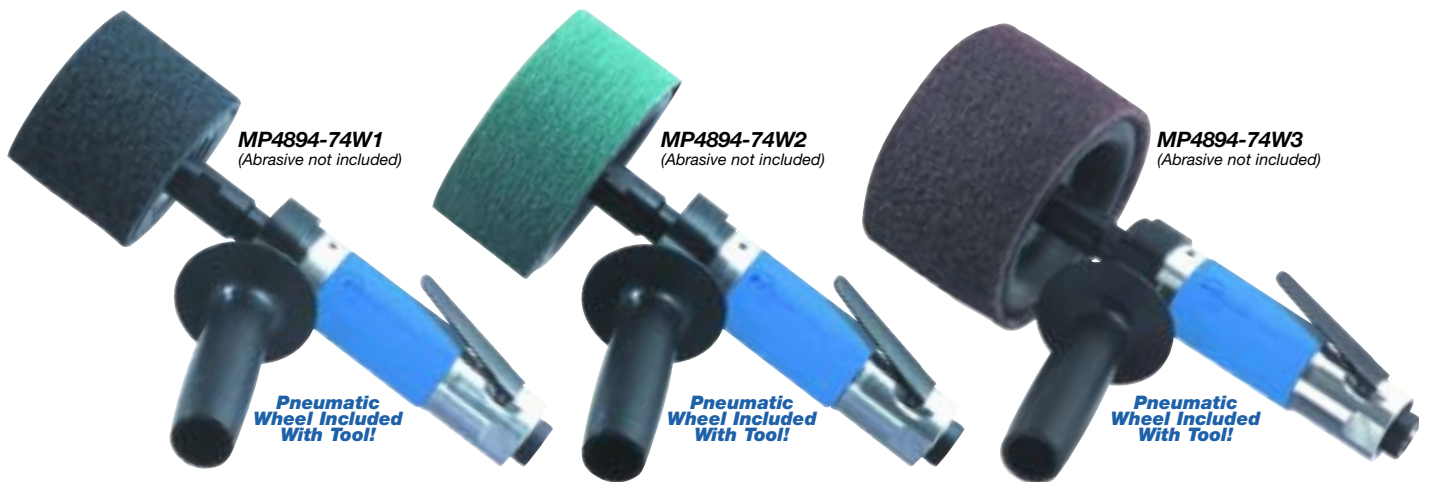
MP4894-74
(Abrasive not included)
Termination 74
5/8" or 1" Diameter Arbor
(1/2"-20 thread mount)



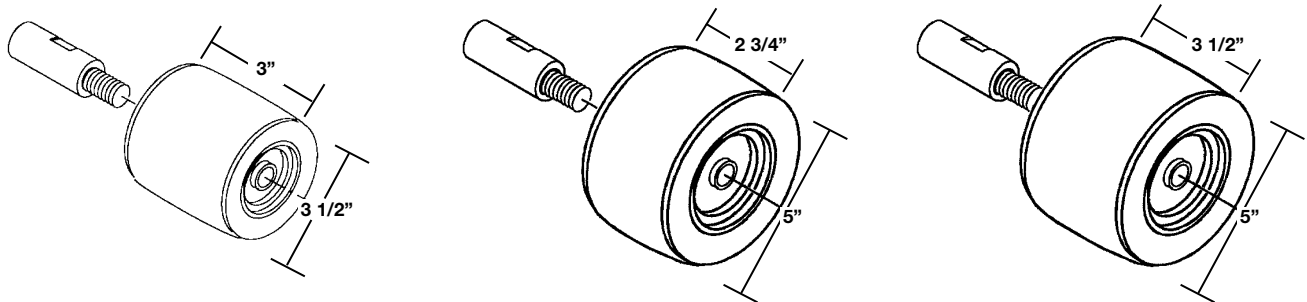
MP4800 SERIES 0.9 HP INLINE FINISHING TOOLS

Model Number	Free Speed RPM	Motor Spindle Thread	Wheel Arbor Diameter	Weight		Length		Maximum Speed	
				lbs.	kgs	in.	mm	SFPM	SMPM
0.9 hp (.67kW) - Inline Finishing Tool with 3 1/2" x 3 Pneumatic Wheel									
MP4894-74W1	3400	1/2"-20 male	5/8"-11	3.84	1.73	12.25	311.15	2893	882
MP4896-74W1	4500	1/2"-20 male	5/8"-11	3.84	1.73	12.25	311.15	3829	1167
0.9 hp (.67kW) - Inline Finishing Tool with 5" x 2-3/4" Pneumatic Wheel									
MP4894-74W2	3400	1/2"-20 male	5/8"-11	4.08	1.84	11.59	294.39	4451	1357
MP4896-74W2	4500	1/2"-20 male	5/8"-11	4.08	1.84	11.59	294.39	5890	1795
0.9 hp (.67kW) - Inline Finishing Tool with 5" x 3-1/2" Pneumatic Wheel									
MP4894-74W3	3400	1/2"-20 male	5/8"-11	4.26	1.92	12.75	323.85	4451	1357
MP4896-74W3	4500	1/2"-20 male	5/8"-11	4.26	1.92	12.75	323.85	5890	1795

GENERAL	STANDARD EQUIPMENT	OPTIONAL EQUIPMENT:
Air Inlet 1/4" NPT Min. Hose Size: 1/4" Tool performance rated at 90 psi (620 kPa) air pressure.	Operating instructions & parts manual Arbor adapters Wheel wrenches Side handle 70429600	Pneumatic Wheel Inflation Tool: 70432500 Abrasives and Accessories. Pages 27-31 Refer to Page 4 for description of Rapid Select



- Termination 74W1**
1/2"-20 to 5/8"-11 Arbor
(3 1/2" x 3" x 5/8"-11 pneumatic wheel)
- Termination 74W2**
1/2"-20 to 5/8"-11 Arbor
(5" x 2 3/4" x 5/8"-11 pneumatic wheel)
- Termination 74W3**
1/2"-20 to 5/8"-11 Arbor
(5" x 3 1/2" x 5/8"-11 pneumatic wheel)



Note: Tools are shipped complete (including termination) so care should be taken when ordering. For example, if you order Model Number MP4894-74W1, you will receive a 0.9 hp., 3400 RPM tool with a 1/2"-20 to 5/8"-11 Arbor and a 3 1/2"x 3" x 5/8"-11 pneumatic wheel.

MP4800 Series Finishing Tools

Accessories

4800 SERIES FINISHING TOOL KITS

Master Power offers surface conditioning accessory kits that enable you to finish any surface with a minimum amount of time and effort. Each kit contains an assortment of coated abrasive belts, non-woven surface conditioning belts, Clean & Strip® wheels, pneumatic wheel, and a wheel inflation tool.



METAL WORKING KIT- 70438200

(For .9 hp Inline Finishing Tools)

Kit includes the following:

1-5" x 3 1/2" pneumatic wheel	70428200
1-Pneumatic wheel inflation tool	70432500
1-50 grit coated abrasive belt	70432200
1-80 grit coated abrasive belt	70432300
1-120 grit coated abrasive belt	70432400
1-180 grit coated abrasive belt	70437700
1-Very fine non-woven pad	70431900
1-Medium non-woven pad	70432000
1-Coarse non-woven pad	70432100
3-Clean & Strip® discs	70438300



WOOD WORKING / SOLID SURFACE KIT- 70437600

(For .3 hp Inline Finishing Tools)

Kit includes the following:

1-3 1/2" x 3" pneumatic wheel	70428000
1-Pneumatic wheel inflation tool	70432500
1-120 grit coated abrasive belt	70444000
1-180 grit coated abrasive belt	70444100
1-Very fine non-woven pad	70444200
1-Medium non-woven pad	70444300
1-120 grit sanding star (spindle mt.)	70437800
1-180 grit sanding star (spindle mt.)	70437900
1-120 grit sanding star (arbor mt.)	70438000
1-180 grit sanding star (arbor mt.)	70438100
1-1/4" collet assembly	70428300



PRESSURE SHIELD 70463600

With its built-in handle, the pressure shield is designed for use with pneumatic wheels up to 5" in diameter. The pressure shield mounts easily by slipping over the front housing of any Master Power 4800 Series Inline Finishing Tool. It can be rotated 360° for desired lever positioning, before being locked into place using a 1/4" Allen hex wrench. Weighs 3.8 lbs., 7"x8".



HANDLES

70429500
.3 hp Handle

70429600
.9 hp Handle



INFLATION TOOL

70432500
Pneumatic wheel inflation tool





MP600 SERIES SANDERS/POLISHERS

- 1200 SPM
- Rugged, powerful machine for rubbing, sanding and polishing large flat surfaces
- Pads driven by horizontally opposed pistons: Minimized operator fatigue
- More power: To handle all top coat rubbing, finishing operations faster and easier
- Precision machined slide assembly: Smoother more consistent finish
- Opposed straight line
- Wet or dry applications



Model Number	Pad Type	Stroke in.	Speed SPM	Paper Capacity Sheets	Weight lbs.
Tool without Shoes					
MP600	None	1-1/2"	1200	4-8	30
MP600-7*	None	1-1/2"	1200	4-8	30
1/4 Sheet Capacity					
MP600-1	None	1-1/2"	1200	4-8	30
MP600-2	1" Felt	1-1/2"	1200	4-8	30
1/3 Sheet Capacity					
MP600-3	None	1-1/2"	1200	4-8	30
MP600-4	3/8" Felt	1-1/2"	1200	4-8	30
MP600-6	1/2" Felt	1-1/2"	1200	4-8	30
MP600-5	Soft Tubular Rubber	1-1/2"	1200	4-8	30
1/2 Sheet Capacity					
MP600-9	1/2" Felt	1-1/2"	1200	4-8	30
MP600-8	Rubber	1-1/2"	1200	4-8	30

*Model equipped with push button handle for liquid supply

GENERAL

Air Inlet 1/2" NPT
 Use 1/2" (12.7 mm) I.D. hose
 All tools performance rated @ 90psi (620 kPa) air pressure.

EQUIPMENT: SHOES & PADS

1/4 Sheet:
 Shoe: URM633
 Pad: RM642 1" Felt

1/3 Sheet:
 Shoe Assembly: URM700 (complete with sandpaper clamps)
 Pad Assembly: URM2119 3/8" Felt 3-2/3" x 9"
 Pad Assembly: URM2131 1/2" Felt 3-2/3" x 9-3/4"
 Pad Assembly: URM2166-2 Soft Tubular Rubber 3-2/3" x 9"

1/2 Sheet:

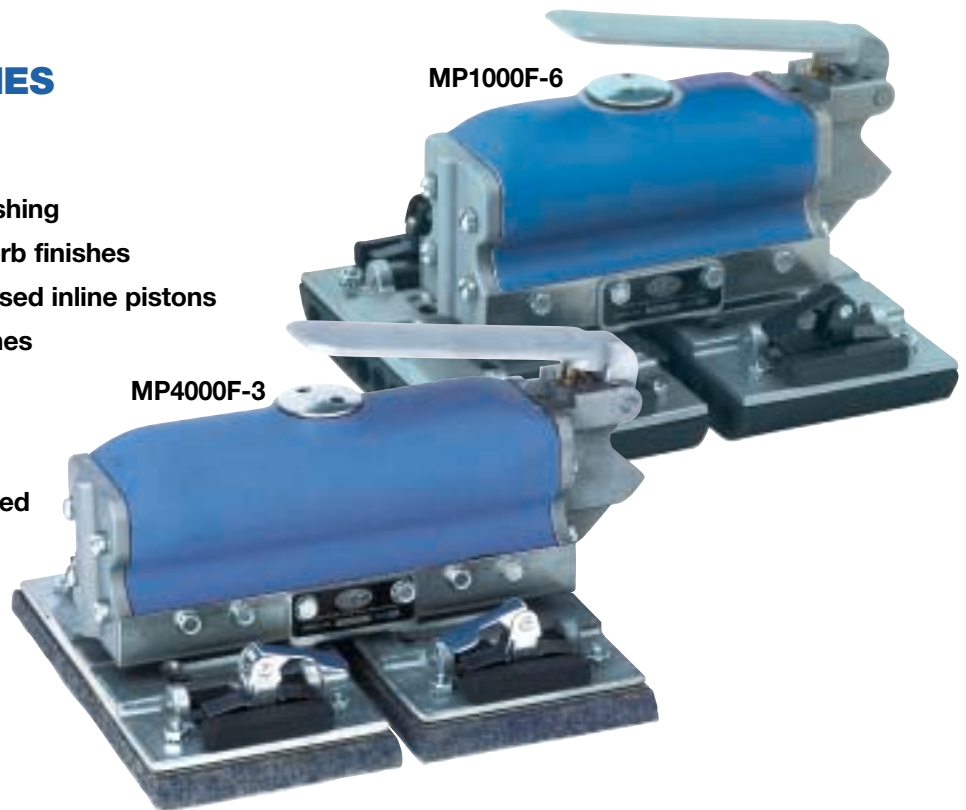
Shoe Assembly: URM690 (complete with sandpaper clamps)
 Pad Assembly: URM2132 1/2" Felt 4-1/2" x 11"
 Pad Assembly: URM2177 Rubber 4-1/2" x 11"

Refer to Page 4 for description of Rapid Select.



MP1000 & MP4000 SERIES SANDERS/POLISHERS

- Opposed straight line
- Wet or dry rubbing, sanding or polishing
- Double padding provides fast, superb finishes
- Pads powered by horizontally opposed inline pistons
- Large abrasive area: 70 square inches
- Compact and smooth running
- Beautifully finished with precision machined slide assembly
- Dust controlled operation on selected models provides a clean work area



Model Number		Pad Type	Stroke in.	Speed SPM	Paper Capacity Sheets	Weight lbs.
Non-Vac	Vac Ready					
Tool without Shoes						
MP1000F-1	MP1000DC-1	None	7/16"	3700	4-8	7.5
MP4000F-1		None	3/4"	3100	4-8	9.0
1/4 Sheet Capacity						
MP1000F-2	MP1000DC-2	1/2" Felt	7/16"	3700	4-8	7.5
MP4000F-2		1/2" Felt	3/4"	3100	4-8	9.0
MP1000F-4	MP1000DC-4	3/4" Felt	7/16"	3700	4-8	7.5
MP4000F-4		3/4" Felt	3/4"	3100	4-8	9.0
MP1000F-7	MP1000DC-7	Soft Mattress	7/16"	3700	4-8	7.5
MP4000F-7		Soft Mattress	3/4"	3100	4-8	9.0
MP1000F-8	MP1000DC-8	Soft Tubular Rubber	7/16"	3700	4-8	7.5
MP4000F-8		Soft Tubular Rubber	3/4"	3100	4-8	9.0
1/3 Sheet Capacity						
MP1000F-3	MP1000DC-3	3/8" Felt	7/16"	3700	4-8	7.5
MP4000F-3		3/8" Felt	3/4"	3100	4-8	9.0
MP1000F-5	MP1000DC-5	1/2" Felt	7/16"	3700	4-8	7.5
MP4000F-5		1/2" Felt	3/4"	3100	4-8	9.0
MP1000F-6	MP1000DC-6	Soft Tubular Rubber	7/16"	3700	4-8	7.5
MP4000F-6		Soft Tubular Rubber	3/4"	3100	4-8	9.0

GENERAL

Air Inlet 1/8" NPT
 Use 1/4" (6.4 mm) I.D. hose
 All tools performance rated @ 75psi (517 kPa) air pressure.

EQUIPMENT: SHOES & PADS

1/4 Sheet
 Shoe Assembly: URM1041 (complete with sandpaper clamps)
 Pad Assembly: URM1053 1/2" Felt
 Pad Assembly: URM1108 3/4" Felt
 Pad Assembly: URM1049-B Soft Mattress
 Pad Assembly: URM1050-3 Soft Tubular Rubber

1/3 Sheet
 Shoe Assembly: URM700 (complete with sandpaper clamps)
 Pad Assembly: URM2119 3/8" Felt 3-2/3"x9"
 Pad Assembly: URM2131 1/2" Felt 3-2/3"x9-3/4"
 Pad Assembly: URM2166-2 Soft Tubular Rubber 3-2/3"x9"

OPTIONAL EQUIPMENT:

Automatic Wet Feed Attachment: Add "A" to catalog number. (Example: MP1000A-1) Air and Water are turned on by the operating lever.
 Dust Control: Add "DC" to catalog number. (Example: MP1000DC-1)

Refer to Page 4 for description of Rapid Select.

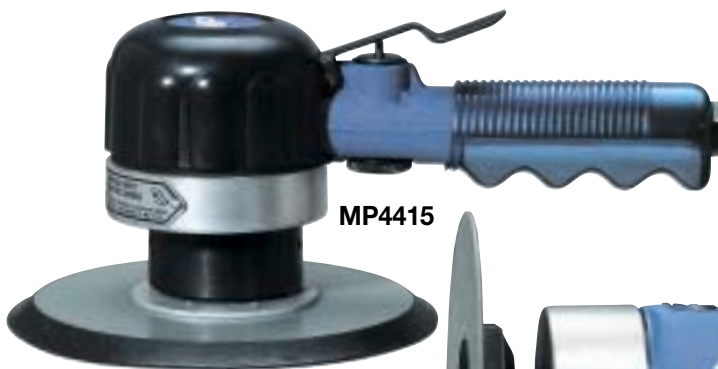




MP4405

ORBITAL SANDER

- 6,000 RPM
- Long life construction - from double row platen bearing to hardened steel end plates and cylinder liner
- Palm throttle - finger grip housing



MP4415

RANDOM ORBITAL SANDER

- 10,000 RPM
- Precise feathering throttle produces a better finish
- Built in air regulator for maximum operator control
- Easy replacement of eccentric bearing and spindle assembly



MP6150

DISC SANDER

- 16,000 RPM
- Adjustable trigger
- Designed to sand contours and hard-to-reach areas
- Multi-purpose spindle has 3/8" x 24 thread pads with 16,000 RPM rating

Model Number	Speed (orbits/min.)	Pad Size	Spindle Size	Weight	
				lbs.	kg
Orbital/Random Orbital					
MP4405	6,000	3" x 8"	—	2.8	1.3
MP4415	10,000	6"	—	3.2	1.5
Disk					
MP6150	16,000	5"	3/8"-24	3.3	1.1

GENERAL

Air Inlet 1/4" NPT
 Use 1/4" (6.4 mm) I.D. hose
 All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Owners Manual
 Parts Sheet
 MP4415-57436, 6" pad

MP6150 5" backing pad: 6158900
 MP6150 disc nut: 6825400
 MP6150 disc back-up nut: 9173400

OPTIONAL ACCESSORIES

5" pad for model MP4415 - No. 57435
 6" pad for model MP4415 - No. 57436
 60538 Master Guard oil (4 oz.)
 60539 Master Guard oil (1 qt.)
 63593 8' Hose whip

22034 Hose line oiler
 5" pad for Model MP6150-No. 6158900
 Tune-up kit, see page 88
 Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.
 Abrasives and Accessories. Pages 27-31

Refer to Page 4 for description of Rapid Select



Sanders/Polishers

2,000-10,000 RPM

FINISHING

- **Nominal Motor Power**
1.5 Hp
1.1 kw
- **2000-6000 RPM**
- **Super powerful geared motor**
- **All bearing and roller bearing construction**
- **Safety lock-off throttle**
- **Precision machined and hardened gearing**
- **Double row ball bearing spindle support**
- **MP4905, MP4906 excellent for polishing applications**



MP4901

Model Number	Maximum Free RPM	Hp	Sanders Disc	Polishers Pad	Height		Weight	
					in.	mm	lbs.	kg
MP4901	6,000	1.5	7"	8"	7.5	191	5.6	2.5
MP4904	4,500	1.5	9"	8"	7.5	191	5.6	2.5
MP4905	3,000	1.5	9"	8"	7.5	191	5.6	2.5
MP4906	2,000	1.5	9"	8"	7.5	206	6.4	2.9

GENERAL

Air Inlet 1/2" NPT
Use 1/2" (12.7 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Owners Manual
Parts List

801705000 Side handle

OPTIONAL ACCESSORIES

60538 Master Guard oil (4 oz.)
60539 Master Guard oil (1 qt.)
63593 8' Hose whip 1/4" I.D.
22034 Hose line oiler
57435 5" backing pad

800493 Grease gun

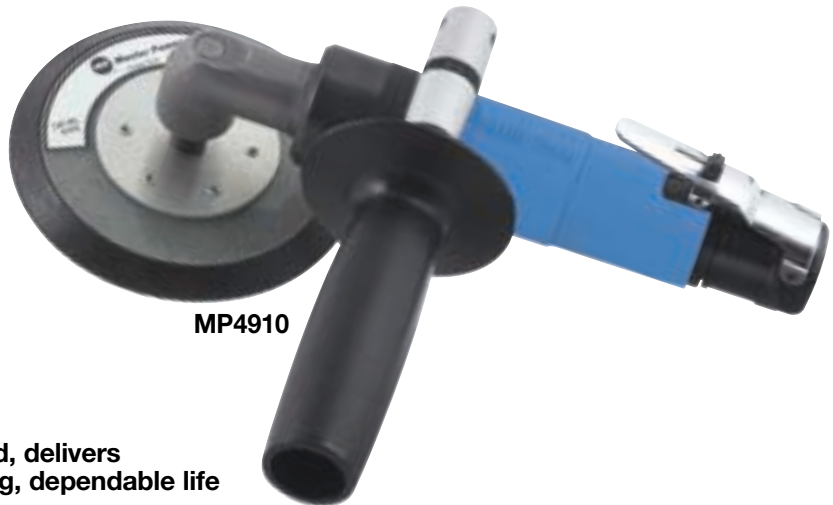
Tune-up kit, see page 88

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

Abrasives and Accessories. Pages 27-31

5" RIGHT ANGLE SANDER

- **Nominal Motor Power**
.9 Hp
.67 kw
- **10,000 RPM**
- **Excellent high torque motor**
- **Safety lock-off throttle**
- **Full feathering throttle**
- **Stainless steel right angle head**
- **Spiral beveled gears, cut and hardened, delivers maximum power transmission and long, dependable life**



MP4910

Model Number	Max Free RPM	Hp	Sanding Disc	Length		Weight		Spindle Thread (Fem.)
				in.	mm	lbs.	kg	
MP4910	10,000	.9	5"	9.3	235	2.7	1.2	5 1/6" x 24
MP4911	10,000	.9	5"	9.3	235	2.7	1.2	5 8" x 11

GENERAL

Air Inlet 1/4" NPT
Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Owners Manual
Parts List

57435 Backing pad

801705000 Complete handle
2028500 Wrench

OPTIONAL ACCESSORIES

60538 Master Guard oil (4 oz.)
60539 Master Guard oil (1 qt.)
63593 8' Hose whip 1/4" I.D.

22034 Hose line oiler

57435 5" backing pad

800493 Grease gun

Tune-up kit, see page 88

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

Abrasives and Accessories. Pages 27-31



BACKUP PADS FOR RANDOM ORBITAL SANDERS

Low Profile Backup Pads for Random Orbital Sanders

A thinner, harder pad generally recommended for aggressive sanding and leveling of flat surfaces. Backing plate has a riveted 5/16"-24 threaded mounting for added strength and increased heat resistance.

Diameter	Thickness	PSA Pads		Hook & Loop Pads	
		Non-Vacuum	Vacuum	Non-Vacuum	Vacuum
3-1/2"	3/8"	543025	543025	543026	543026
5"	3/8"	543017	543018	543019	543020
6"	3/8"	543021	543022	543023	543024



Tapered Edge Backup Pads for Random Orbital Sanders

A thicker, softer pad generally recommended for contour sanding and feather edging. The 5" and 6" pads have a 5/16"-24 threaded mounting.

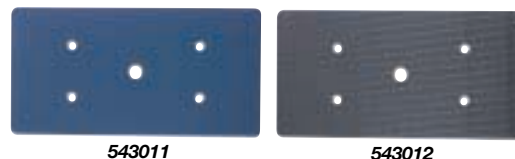
Diameter	Thickness	PSA Pads
		Non-Vacuum
5"	3/4"	543041
6"	3/4"	543042



Backup Pads for Orbital Sanders

PSA adhesion to tool eliminates the need for any tools when changing pads. Pad remains flat throughout full orbit at any speed.

Diameter	Thickness	PSA Pads		Hook & Loop Pads	
		Non-Vacuum	Vacuum	Non-Vacuum	Vacuum
3-2/3"x7"	3/8"	543011	543013	543012	543014

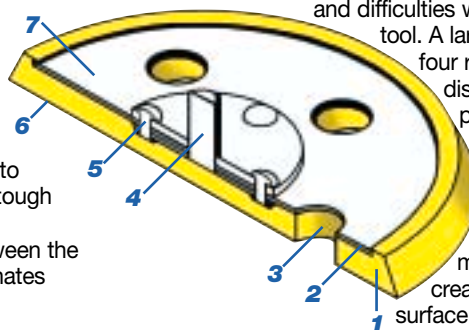


All Pads Are Not Created Equal

The backing pad is a very important interface between the tool and your work. A quality pad performs three main functions. First, it provides a flexible, yet flat surface to mount the abrasive to the tool. Second, a quality pad has a controlled weight and mass that balances with your tool and allows the tool to operate with minimum vibration. Third, a quality pad will be long lasting. The difference between quality pads and other pads can be seen in their components and construction.

Our quality pads have:

- 1 A specially designed, environmentally friendly, molded polyurethane foam**, that dampens vibration to prevent your tool from bouncing, yet are flexible and tough enough to withstand the rigorous operation of dual-action random orbit sanders. A permanent bond between the polyurethane and other components of the pad eliminates separation problems.
- 2 A rugged thermoset fiberglass epoxy backing**, that withstands the abuse of heat, flexing and impact, to keep the pad running flat and true for a long time. Aluminum backings bend from impact and lose their flatness, while heat and flexing cause molded plastic backings to warp, distorting the face of the pad. A pad that is not flat causes vibration which fatigues the user and prevents creating a professional finish.
- 3 Full 1/2" diameter vacuum holes** that match standard paper and allow maximum performance of your tools' vacuum system.



4 A durable welded and plated stud assembly on random orbital pads. Welding assures a permanent alignment between the pad and the tool. Plating assures easy pad removal by preventing corrosion.

5 A stud assembly that is rigidly attached to the backing with four rivets on random orbital pads. Stud assemblies that are molded in place can loosen and strip, causing poor performance and difficulties when removing the pad from the tool. A large, flat, raised steel washer with a four rivet attachment forms an ideal distributor of stress. This assures perfect alignment with all tools, and allows the pad to remain in service for a long time.

6 An embossed vinyl facing or hook facing that is intimately molded with the polyurethane to create a permanent durable and flat surface. Embossed vinyl facings offer maximum adhesion with PSA style paper while operating the tool, yet allow quick and easy replacement. Quality hook facings also offer secure adhesion yet quick and easy removal.

7 Strict tolerance on weight, balance, roundness, and flatness. A pad that is not the correct weight, out of round, out of balance, or uneven causes vibrations which fatigue the user and prevents creating a professional finish. Strict tolerances assure you that each pad performs consistently for a long time.

Accessories

Abrasives

FINISHING

ADHESIVE DISC ROLLS

Used on MP4400 Series and MP6150

Pressure sensitive adhesive makes for easy application and removal. Used for preparing primed & painted surfaces for finishing, sanding of plastic and fiberglass. Also useful for light weld blending and deburring, bare wood sanding, and finishing metal of all types.



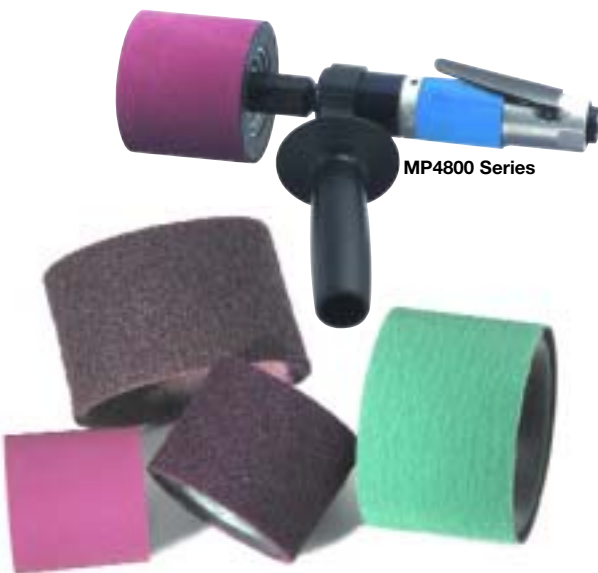
Premium P-Graded

- Premium P-graded heat treated aluminum oxide abrasive for superior life, fast cut rate, consistent finish.
- High strength B-wt latex backing for superior strength & tear resistance, to work surface.
- Non-pigmented, stearate (No-Fil) open coat reduces loading; no color transfer.

P-Graded

- P-graded aluminum oxide abrasive for increased life, fast cut rate, consistent finish.
- Heavy duty C-wt backing for edge-tear resistance, durability.
- Stearated (No-Fil), open coat for reduced loading.

Part No.	Style	Diameter	Grit	Backing Wt.	Disk/Roll
Premium P-Graded					
70471500	Non-Vacuum	5"	80	B	100
70471600	Non-Vacuum	5"	120	B	100
70471700	Non-Vacuum	5"	180	B	100
70471800	Non-Vacuum	5"	220	B	100
P-Graded					
70471900	Non-Vacuum	5"	120	C	100
70472000	Non-Vacuum	5"	180	C	100
70472100	Non-Vacuum	5"	220	C	100



COATED ABRASIVE & SCOTCH-BRITE™ PADS

Used on MP4800 series

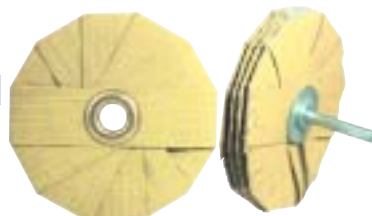
Part No.	Width	Diam.	Grit	Used On
Scotch-Brite™ Pads				
70444200	3-1/2"	3"	very fine	MP4800
70444300	3-1/2"	3"	medium	MP4800
70444600‡	3-1/2"	3"	very fine	MP4800
70444700‡	3-1/2"	3"	medium	MP4800
70431900	3-1/2"	5"	very fine	MP4800
70432000	3-1/2"	5"	medium	MP4800
70432100	3-1/2"	5"	coarse	MP4800
70443100‡	3-1/2"	5"	coarse	MP4800
Coated Abrasive Belts				
70444000	3-1/2"	3"	120	MP4800
70444100	3-1/2"	3"	180	MP4800
70444400‡	3-1/2"	3"	120	MP4800
70444500‡	3-1/2"	3"	180	MP4800
70432200	3-1/2"	5"	50	MP4800
70432300	3-1/2"	5"	80	MP4800
70432400	3-1/2"	5"	120	MP4800
70437700	3-1/2"	5"	180	MP4800

‡Pack of 10 belts

SANDING STARS

Used on MP4800 series

Part No.	Grit	Mount Type
70437800	120	Spindle
70437900	180	Spindle
70438000	120	Arbor
70438100	180	Arbor



SCOTCH-BRITE™ CLEAN & STRIP DISCS

Used on MP4800 series

Part No.	Grit	Mount Type	Dia.
70438300	Coarse	Arbor	4"



BEAR-TEX® SURFACE FINISHING STE & SCF BELTS

Used on MP4700 Series

To deburr, clean, and blend. Good for removing surface defects, light edge burrs, parting lines or flashing. Also used for blending marks or uneven edges, cleaning molds.



- STE material has high initial cut rate, especially on hard- to -grind metals
- STE belts are thinner than SCF belts; therefore, more flexible and easier to install
- SCF belts tend to resist loading of workpiece swarf better; therefore giving longer life on softer, non- ferrous metals.
- Flexible, comfortable, and conforms easily to workpiece.
- Tough reinforced nylon web that eliminates edge fraying and grain shedding.

Part No.	Width	Length	Grit	Used On
STE Aluminum Oxide Belts				
70468300	1/2"	18"	Coarse	MP4705-2, MP4705-3
70468400	1/2"	18"	Medium	MP4705-2, MP4705-3
SCF Aluminum Oxide Belts				
70468900	3/4"	18"	Medium	MP4705-1

Starting Recommendations

- Deburring Coarse(Brown)
- Cleaning/Blending Medium (Maroon)
- For removing 60 - 120 grit gridlines- use coarse grit (brown)
- For removing 120 - 180 grit gridlines- use medium grit (maroon)



FILE BELTS

Specifications to perform the most demanding intricate shapes, profiles and materials. Good when used on light weld removal and blending, shape and contour sanding, and general clean-up and finishing. Also good for surface preparation prior to coating and plating, and for removing cutting tool marks from molds and dies.

Metalite® R283 Belts - Versatility for all MRO applications

- P-graded premium aluminum oxide abrasive for a consistent, cool cut.
- Semi-flexible backing that is tear and fray resistant.

Norzon® Plus R823 Belts - The choice on stainless

- Zirconia alumina abrasive allows cooler cut with high stock removal.



Part No.	Width	Length	Grit	Used On
Metalite R283 Belts				
70473600	1/2"	18"	60	MP4705-2, MP4705-3
Norzon Plus R283 Belts				
70468000	1/4"	18"	60	MP4705-3
70468100	1/4"	18"	80	MP4705-3
70468200	1/4"	18"	120	MP4705-3
70468500	1/2"	18"	80	MP4705-2, MP4705-3
70468600	1/2"	18"	120	MP4705-2, MP4705-3
70473500	3/4"	18"	60	MP4705-1
70468700	3/4"	18"	80	MP4705-1
70468800	3/4"	18"	120	MP4705-1

Starting Recommendations

Material	Heavy Duty	General Duty
Carbon Steel		R283
Stainless Steel/Alloys		R283
Cast iron		R283
Brass/Bronze	R823	R283
Aluminum	R823	R283

Recommended Grit Selection

Intermediate	Finishing/Polishing
60-100	100-120

Note: Avos®, Bear-Text®, Charger™, Metalite®, Norzon®, & Pacesetter® are registered trademarks of Norton Company. Finesse-it™, Scotch-Brite™, & Wetodry™ are registered trademarks of 3M Company.

WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90 psi (620 kPa). Follow cutting tool manufacturer's mounting & operating instructions.



It is the user's responsibility to refer and comply with ANSI B7.1

Accessories

Abrasives

FINISHING

TOP COAT FINISHING KIT

Used with **Stuhr MP600 & MP4000 Series Sanders/ Polishers**

- Provides consistency & uniformity for a beautiful hand rubbed look
- Produces the finish you need- low to high gloss
- Safer for operators to use than steel wool- won't cut hands



Part No.	Contents
80166300	410Q Wetdry™ Tri-M-ite™ 3-2/3" x 9" - 40 Sheets 400 grit paper - 40 Sheets 500 grit paper - 40 Sheets 600 grit paper 410Q Wetdry Color Sanding 3-2/3"x9" - 40 Sheets 1200 grit paper Scotch Brite™ Sheets - 6 Sheets clean and finish, T, 4"x21-1/2" - 6 Sheets clean and finish, S ULF, 4"x10-1/2" - 4 Sheets high gloss 4"x10-1/2" - 4 Sheets super polish 4"x10-1/2" 3M Compound Six Pack - 1 Bottle Finesse-it™ Compounding Material (Ebony, 12oz.) - 1 Bottle Finesse-it™ Compounding Material (Ivory, 12oz.) - 1 Bottle Finesse-it™ Finishing Material (Ebony, 12oz.) - 1 Bottle Finesse-it™ Finishing Material (Ivory, 12oz.) - 1 Bottle Finesse-it™ Final Finish Easy Clean-up (12oz.) - 1 Bottle Finesse-it™ Protective Wax (12oz.) - 1 Demo Tape



BEAR-TEX® SURFACE FINISHING PRODUCTS

Bear-Tex Surface Finishing products are made of a non-woven nylon web impregnated with abrasive grain and resin. Bear-Tex products are non-metallic, won't rust and are an ideal replacement for steel wool. Used for light to heavy duty cleaning, deburring, blending, and finishing.

Part No.	Description	Size	Abrasive	Grit size	Uses
Bear-Tex Hand Pads					
70472500	General Purpose Pad Maroon	6"X9"	Aluminum Oxide	Very Fine	Cleaning, finishing deburring machinery & tools, rust removal
70472600	Scouring Pad Green	6"X9"	Aluminum Oxide	Very Fine	Removing stains, marks, rust corrosion, and oxidation



ALUMINUM OXIDE OPEN COAT PAPER SHEETS FOR ALL GENERAL SANDING

Paper backing is used for a variety of operations from hand sanding to mechanical sanding. It is the least expensive backing. Due to the fine surface of paper, a consistent finish is produced. A is the lightest weight and most flexible and D is much heavier and less flexible. Used for light duty metal sanding, primer sanding, defect removal from painted surfaces, and filler sanding. Also used for sanding between sealer coats, sanding and finishing of composites and fiberglass.

- Available in two backing weights: A211 D-wt, A213 C-wt.
- Aggressive cutting action for all dry sanding applications.
- P-graded grit range.
- Designed for light duty to heavy duty, hand & machine sanding, coarse to fine.

Part No.	Size	Grit	Wgt.
70472200	3"x8"	80	D
70472300	3-2/3"x9"	80	D
70472400	3-2/3"x9"	120	C

Open Coat Abrasive Coating

With an open coat, 50% to 75% of the surface is covered by abrasive grain. There are evenly spaced voids between particles of grain, helping reduce the effect of loading caused by wood dust or metal particles.



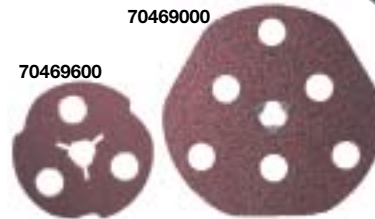
AVOS® Products Allow View of Surface

Gives operators the ability to produce superior surface finishes and complete work quicker with more accuracy. These fibre discs are made of ceramic aluminum oxide.

This abrasive stays sharper longer with exceptional durability and coolness of cut and provides the highest level of grinding performance on difficult to grind materials including super alloys and hardened steels. Also ensures the highest productivity on stainless steels and exotic alloys. Used for metal fabrication, deburring, blending welds, cleaning, and finishing.



Part No.	Size/Description	Grit	Used On
70469600	4-1/2 Fibre Disc	60	MP4536
70469700	4-1/2 Fibre Disc	80	MP4536
70469000	7 Speed-Lok Fibre Disc	24	MP4609, MP4901
70469100	7 Speed-Lok Fibre Disc	36	MP4609, MP4901
70469200	7 Speed-Lok Fibre Disc	50	MP4609, MP4901
70469300	7 Speed-Lok Fibre Disc	60	MP4609, MP4901



AVOS® BACK UP PADS

Part No.	Size/Description	Max RPM	Used On
70469800	4-1/2 x5/8-11 AVOS Back-up Pad	13,000	MP4536
70469400	7x5/8-11 Hard Speed-Lok AVOS Back-up Pad	8,000	MP4609, MP4901



AVOS® DEMO KIT Used on MP4609 & MP4901

Part No.	Size	Description
70469500	7 Speed-Lok	1-AVOS Back-up Pad Includes: 2-AVOS Fibre Disc, 36 Grit 2-AVOS Fibre Disc, 50 Grit 2-Bear-TEX Discs, Coarse (60-120 grit)

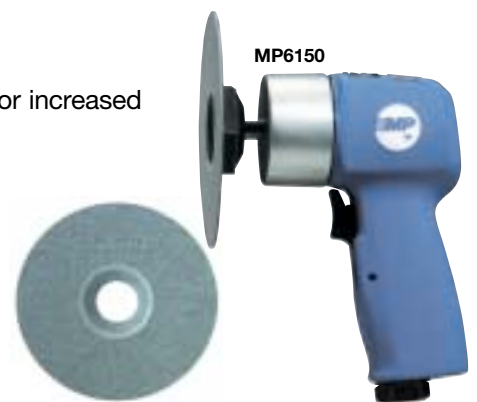


FIBRE DISCS

Used on MP6150

Fibre discs feature a full resin bond system with heavy duty fibre backing for increased strength, durability and tear resistance. Available with plain center hole or with Speed-Lok mechanical locking device. Used for weld grinding and blending, heavy metal removal, also for light deburring and finishing.

- Ceramic aluminum oxide provides exceptional life and value.
- Heavy fibre backing provides reduced edge wear for aggressive applications and highest productivity on hard to grind alloys.



FIBRE DISCS

Part No.	Size	Grit
70469900	5"x7/8"	60
70470000	5"x7/8"	80
70470100	5"x7/8"	120



BACKING PAD

Part No.	Description
6158900	5" Backing Pad



Vacuums

Air Vacs

FINISHING

- Moves water fast. Powerful motor delivers 116" water lift, 110 SCFM flow, and 60 gpm water pick-up capacity
- Low noise
- Lasts longer with little maintenance. No moving parts
- Increased power and efficiency from venturi system
- Overflow valve standard with all units
- Fine material filtering, down to 5 micron.
- Safe because it uses no electricity. Pick-up wet or dry and in other hazardous conditions*
- Cast aluminum epoxy coated heads for maximum corrosion resistance
- Recommended air supply hose size 1/2" I.D.



***CAUTION:** VACUUM MUST BE GROUNDED AND CONDUCTIVE HOSE USED TO CONTROL STATIC ELECTRICITY.

Model Number	Description	Pick-up Hose	Water Lift	Flow S.C.F.M.	Weight lbs	C.F.M. @ 90 PSIG	Inlet	Standard Equipment
MP8000	6 Gallon Wet/Dry Air Vac	1 1/2"	116"	110	19.3	5.5	3/8"	10' x 1 1/2" Vinyl hose #710040 Two Stage filter cartridge #718460
MP8001	20 Gallon Wet/Dry Air Vac	1 1/2"	116"	110	39.5	5.5	3/8"	10' x 1 1/2" vinyl hose #710040 Two Stage filter cartridge #718461 Extra Heavy Duty 3 Wheel Dolly
MP8002	55 Gallon Wet/Dry Air Vac (Tank not included)	1 1/2"	116"	110	18.5	5.5	3/8"	10' x 1 1/2" vinyl hose #710040 Two Stage filter cartridge #718462
MP8003	20 Gallon Wet/Dry Air Vac "Cyclone" Filter to prevent clogging. Ideal for fine particle applications.	1 1/2"	116"	110	41.6	5.5	3/8"	10' x 1 1/2" vinyl hose #710040 Two Stage filter cartridge #718460 (2)

NOTE: Foam Muffler 80098300 used on all vacuums to reduce noise.





No. 710006 floor tool with brush, non metallic



No. 710007 floor tool, non metallic



No. 710009 floor tool, metal with brush



No. 710011 floor tool, metal



No. 710012 squeegee tool, plastic



No. 710013 12" floor tool



No. 710014 11" crevice, plastic



No. 710015 18" bulk pickup nozzle, aluminum



No. 710016 6" Nozzle



No. 710017 overhead pipe cleaning tool (for pipes over 6" dia.)



No. 710018 overhead pipe cleaning tool (for pipes 4-6" dia.)



No. 710020 clamp on brush (plastic/nylon)*Fits on 710016



No. 710025 non metallic bulk pickup nozzle



No. 710026 aluminum dust brush



No. 710027 aluminum crevice tool



No. 710028 dust brush, plastic



No. 710030 single bend aluminum extension



No. 710031 one piece wand, double bend



No. 710032 aluminum extension, 54"



No. 710033 one piece double bend aluminum extension



No. 710034 Floor wand 2 piece 54" metal



No. 710040 10' x 1 1/2" vinyl hose

No. 710041 15' x 1 1/2" vinyl hose

No. 710043 25' x 1 1/2" vinyl hose



No. 710044 conductive static hose with cuff 10' x 1 1/2"

No. 710045 conductive static hose with cuff 20" x 1 1/2"



No. 800992 coupling for 20' conductive hose



No. 710048 aluminum master nozzle



No. 710049 squeegee shoe



No. 710050 brush shoe



No. 710051 crevice tool

Master Power air drills. Built to perform...designed to last.

DRILLS



MP1522

Productivity

High Power-to-Weight Ratio –

Assures operator comfort in handling Master Power drills.

Gear Trains – Master Power gears are carefully engineered and precision cut to transmit power and high speed in a small space.

All Ball and Roller Bearing

Construction – Precision ball and roller bearings are used at vital wear points for reduced friction, minimized wear, smooth, quiet operation and extended tool life.

Rugged Construction – The science of ergonomics, the interface between man and machine, is employed throughout Master Power designs to achieve maximum control and ease of handling.

Adaptability

Throttle Options

– Two-stage Unitized Valve Throttle. This 2-speed throttle allows the operator to locate and start the drill accurately at slow speed and prevent damage to the workpiece. Full speed is achieved with full pressure on the throttle. (Provided on most pistol grip models.)

Versatility – Master Power drills are easily converted to direct drive screwdrivers with slip chucks.

Handleability

Quiet operating – Another application of ergonomics to Master Power drills, is design which limits tool noise to within standards.

Two Exhaust Systems – Drill motors have either 360°



MP1451-38

Drills	34-39
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Pistol Grip	36-38
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“T” Handle	39



rotatable or rear exhaust. Rear Exhaust models are designed to vent exhaust harmlessly and quietly away from the work area, while 360° rotatable side vented exhaust models allow the operator to deflect the exhaust to the most advantageous direction.

Serviceability

Parts Interchangeability – Many Master Power tools are constructed of standard unitized parts which allows for greater parts interchangeability and adaptability.



MP1447-51



MP1496-42



MP1468-42



Pistol Grip Drills

Non-Reversible

- **Nominal Motor Power**
0.4 hp
0.3 kW
- **Non-Reversible**
- **360° Rotable Exhaust**
- **Low Noise**
- **Two Stage Throttle**
- **Bearing supported output spindle assures minimum run-out**



MP1451-38

Model Number	Max. Free RPM	Hp.	Chuck Capacity	Spindle Offset		Length		Weight	
				in.	mm	in.	mm	lbs.	kg
MP1451-38●●	5200	.4	1/4"	.69	17	6.3	159	1.5	.68
MP1453-38●●	3200	.4	1/4"	.69	17	6.3	159	1.5	.68
MP1455-38●●	1000	.4	1/4"	.69	17	7.4	188	1.8	.82

GENERAL:

Air Inlet: 1/4" NPT – Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT:

Gearred chuck, chuck key

OPTIONAL CHUCK TERMINATIONS:

See page 92

EXTRA EQUIPMENT:

Dead Handle: 539602

OPTIONAL ACCESSORIES

Oilless blades (●●)

All models are available with oilless blades (extra cost). Add "NL" to end of model number. *Example:* MP1451-38NL

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

Refer to Page 4 for description of Rapid Select



- **Nominal Motor Power**
0.5 hp
0.37 kW
- **Non-Reversible**
- **Rear Exhaust**
- **Precision chuck for gripping power and minimum run out**
- **Comfortable die cast pistol grip reduces operator fatigue**
- **Balanced "Floating Rotor" for longer motor life**
- **Low Noise**
- **Double-row ball bearings on output spindle for perfect alignment and a true running bit**



MP1490-51

Model Number	Maximum Free RPM	Hp.	Chuck Capacity	Spindle Offset		Length		Weight	
				in.	mm	in.	mm	lbs.	kg
MP1484-42	18000	.5	1/4"	.84	21	7.5	191	2.3	1.1
MP1487-42	3800	.5	1/4"	.84	21	7.5	191	2.3	1.1
MP1488-42	2350	.5	1/4"	.84	21	7.5	191	2.3	1.1
MP1489-42	4500	.5	1/4"	.84	21	7.5	191	2.3	1.1
MP1490-51	1000	.5	3/8"	.84	21	8.2	208	2.3	1.1
MP1494-53	550	.5	1/2"	.84	21	8.2	208	2.3	1.1

GENERAL:

Air Inlet 1/4" NPT
Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Chuck and Key
Owners Manual
Parts Sheet
80171500 Side Handle standard on MP1494-53

OPTIONAL CHUCK TERMINATIONS:

See page 92

OPTIONAL ACCESSORIES

22034 Hose Line Oiler
60538 Master Guard oil (4 oz.)
60539 Master Guard oil (1 qt.)
540395 Grease (2 oz. tube)
63593 8' Hose Whip 1/4" I.D.
80171500 Side Handle (optional on MP1484-,

MP1487-, MP1488-, MP1489-, & MP1490-Tune-up kit, see page 88

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

Refer to Page 4 for description of Rapid Select







- **Nominal Motor Power**
0.5 - 0.75 hp
0.37 - 0.56 kW
- **Non-Reversible**
- **Double row ball bearings on output spindle for excellent alignment and true running bits**
- **Parts interchangeable with Master Power Screwdrivers**
- **Steel front end for industrial applications**
- **2 Step throttle for easy starts**
- **Built-in no-clog mufflers for quiet operation**
- **Hardened and ground precision parts for extended service life**



MP1447-51

Model Number	Max. Free RPM	Hp.	Chuck Capacity	Spindle Offset		Length		Weight	
				in.	mm	in.	mm	lbs.	kg
MP1440-51	500	.5	3/8"	.84	20.6	8	203	2.1	.93
MP1441-51	1000	.5	3/8"	.84	20.6	8	203	2.1	.93
MP1442-42	2000	.5	1/4"	.84	20.6	7.5	191	1.9	.85
MP1443-42	3000	.5	1/4"	.84	20.6	7.5	191	1.9	.85
MP1444-42	4000	.5	1/4"	.84	20.6	7.5	191	1.9	.85
 MP1447-51	2600	.75	3/8"	.84	20.6	7.5	191	1.9	.85
MP1446SR-51	5500	.75	3/8"	.84	20.6	7.5	191	1.9	.85
 MP1448-55	1100	.75	1/2"	.84	20.6	7.5	191	2.1	.93

GENERAL:

Air Inlet 1/4" NPT
Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.


OPTIONAL CHUCK TERMINATIONS:

See page 92

OPTIONAL ACCESSORIES

80170600 Side Handle
540395 Grease, 2 oz. tube

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

 Refer to Page 4 for description of Rapid Select



Pistol Grip & Inline Drills

Reversible

- **Nominal Motor Power**
0.5 hp
0.37 kW
- **Reversible**
- **2 Step throttle for easy starts**
- **Rigid bearing design in output spindle provides minimum run-out**
- **Lever models can be bail-suspended, remotely driven, fixture-mounted, etc.**
- **Lever models feature space adjustment screw for positive speed control**
- **Rear exhaust on lever models can be rotated 360°**
- **Built-in speed regulator (MP1466, MP1468)**



MP1460-42

MP1462-51



MP1468-42

Model Number	Max. Free RPM	Hp.	Chuck Capacity	Spindle Offset		Length		Weight	
				in.	mm	in.	mm	lbs.	kg
Pistol Grip									
MP1460-42	2800	.5	1/4"	.84	21	6.8	171	2.5	1.1
MP1462-51	1800	.5	3/8"	.84	21	6.8	171	2.5	1.1
MP1464-51	1100	.5	3/8"	.84	21	8.0	203	3.3	1.5
Inline									
MP1466-42	2800	.5	1/4"	.84	21	8.6	219	2.3	1.1
MP1468-42	1800	.5	1/4"	.84	21	8.6	219	2.3	1.1

GENERAL:

Air Inlet 1/4" NPT
Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Chuck and Key
Owners Manual
Parts Sheet
Suspension Bail (Lever Models Only)
Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

OPTIONAL CHUCK TERMINATIONS:

See page 92

OPTIONAL ACCESSORIES

540395 Grease, 2 oz. tube

Refer to Page 4 for description of Rapid Select



- **Nominal Motor Power**
0.5 hp
0.37 kW
- **Reversible**
- **Rotatable exhaust**
- **Stainless steel right angle head**
- **Spiral bevel gears in right angle head for smooth running and long life**
- **Full feathering throttle for easy starts**
- **Ball and needle bearing construction**
- **Heavy duty gear lubrication in right angle head for long life**



MP1496-42

Model Number	Maximum Free RPM	Hp.	Chuck Capacity	Spindle Offset		Head Height		Length		Weight	
				in.	mm	in.	mm	in.	mm	lbs.	kg
MP1496-42	800	.5	1/4"	.53	14	3.1	79	10.3	262	3.3	1.5
MP1497-42	1300	.5	1/4"	.53	14	3.1	79	10.3	262	3.1	1.4
MP1498-42	2000	.5	1/4"	.53	14	3.1	79	11	279	3.1	1.4

GENERAL:

Air Inlet 1/4" NPT
Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Chuck and Key

Owners Manual
Parts Sheet

OPTIONAL CHUCK TERMINATIONS:

See page 92

OPTIONAL ACCESSORIES

60538 Master Guard oil (4 oz.)
60539 Master Guard oil (1 qt.)

63593 8' Hose Whip 1/4" I.D.

22034 Hose line oiler

9083200 Suspension Bail

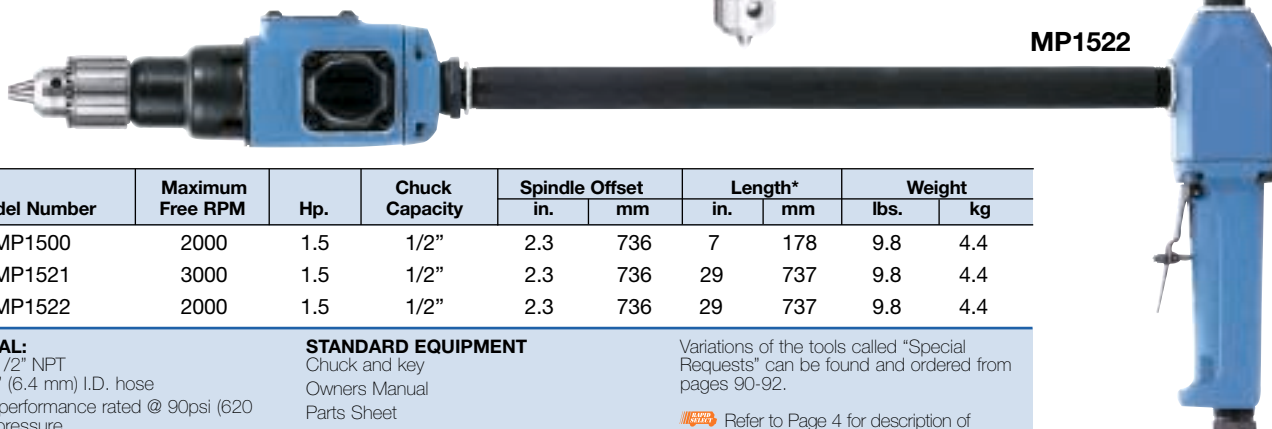
Tune up kit, see page 88

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

- **Nominal Motor Power**
1.5 hp
1.19 kW
- **Non-Reversing**
- **Feathering throttle for easy starts**
- **Safety lock off throttle**
- **Double ball bearing spindle support**
- **Pistol grip available (Model MP1500)**



MP1500



MP1522

Model Number	Maximum Free RPM	Hp.	Chuck Capacity	Spindle Offset		Length*		Weight	
				in.	mm	in.	mm	lbs.	kg
MP1500	2000	1.5	1/2"	2.3	736	7	178	9.8	4.4
MP1521	3000	1.5	1/2"	2.3	736	29	737	9.8	4.4
MP1522	2000	1.5	1/2"	2.3	736	29	737	9.8	4.4

GENERAL:

Air Inlet 1/2" NPT
Use 1/2" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.
*Special length available upon request

STANDARD EQUIPMENT

Chuck and key
Owners Manual
Parts Sheet

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

Refer to Page 4 for description of Rapid Select



Master Power Fastening Tools... A Complete Line To Help Keep Production Schedules Tight.

Productivity

Powerful High Torque Output – Master Power Fastening tools are designed to provide slightly more torque (with throttle wide open) than will be required for the largest fastener on which the tool will be used. Variations of torque can be controlled by the addition of a clutch, use of less air pressure, or using a different RPM tool.

Integral Quick Change Chuck – Many Master Power pneumatic screwdrivers are equipped with quick change bit adapters, or 'slip bit adapters', to allow quick change and positive retention of 1/4" hex bits, bit and finder combinations, insert bit holders, socket adapters and many other accessories.

Reversibility – Reverse action is standard on all Master Power screwdrivers and nutrunners. The reversibility feature enables the operator to remove rusted, cross-threaded or extra-tight fasteners to make assembly adjustments.

Durability

Rugged Construction/Ergonomics – The science of human engineering is integrity in the design of every Master Power Air Tool to provide maximum control and ease of handling for

the operator. The weight and shape of a particular tool are determined by the selection of the proper motor for the tool's duty rating. Many housings are shaped to fit hand contours while providing a light-weight, yet rugged and "functional jacket."

Other tools have rugged, functional handles which make the tools easily maneuverable and allow pressure to be applied in critical operations. Each housing is built to withstand abusive use and provide years of maintenance-free service.



MP2294



MP2414



Fastening Tools	40-59
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Pistol Grip Screwdrivers – Positive Clutch	45
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PrecisionMaster Pistol Grip Screwdrivers	56
PrecisionMaster Inline Screwdrivers	57
PrecisionMaster Nutrunners	58
Accessories: Tool Support Arm	59

FASTENING





Heavy-Duty Spiral Bevel Gears – Used in Master Power angle head tools are made of durable, extra-strong materials to provide smooth, efficient power transmission and long trouble-free service.

Planetary Gearing – To provide maximum service life, Master Power's wide selection of planetary gearing is made from extra strong, specially heat treated materials. Gears are carefully engineered and precision cut to special form. They achieve maximum strength, carry high speed and transmit power in a small space. The entire planetary system is amply supported on precision bearings and can be externally lubricated.

... proper torque is a means of arriving at desired bolt or screw tension. On fastening tools, torque accuracy can be controlled by the kind of clutch used, or by motor RPM. With Master Power Air Tools, increased torque control can generally be obtained by (in order of increased control): a positive clutch, an adjustable clutch, a torque control clutch, and a precision clutch for the most control.

Handleability

Push-To-Start – A standard with torque control tools and available with most clutch models; a real time and air savings feature.

Tool speed and torque requirements

The function of torque in a fastening tool is to provide tension in a bolt or screw .

... proper torque is a means of arriving at desired bolt or screw tension. On fastening tools, torque accuracy can be controlled by the kind of clutch used, or by motor RPM. With Master Power Air Tools, increased torque control can generally be obtained by (in order of increased control): a positive clutch, an adjustable clutch, a torque control clutch, and a precision clutch for the most control.



MP2264

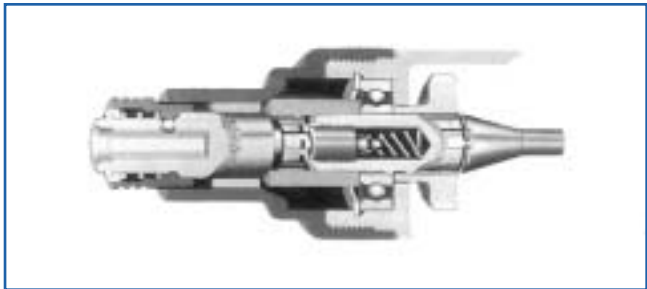


MP2522

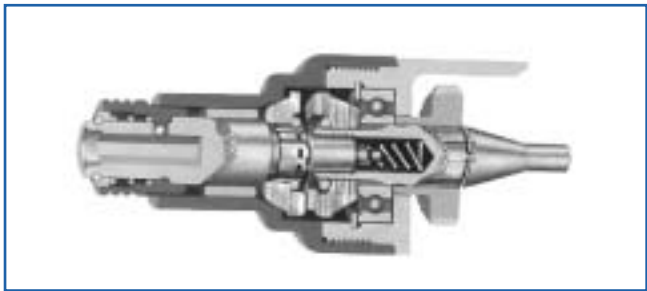


Screwdrivers & Nutrunners

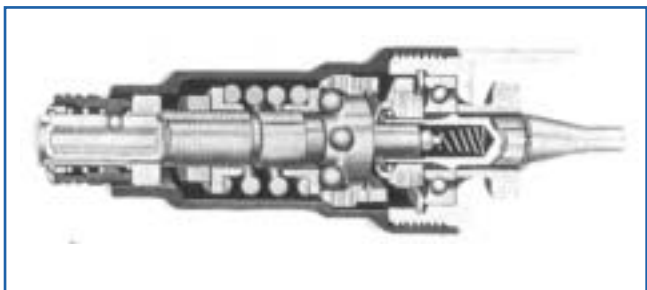
Requirements



Direct drive or "Stall Drive" rotates the fastener until resistance overcomes motor power and motor stalls. Torque is set by adjusting air pressure.



Positive Clutch is a good general purpose clutch for soft draw applications in wood and aluminum. Torque output is determined by the force applied by the operator.



Adjustable clutch offers torque range control independent of operator pressure. When pre-set torque is reached, the clutch slips. Torque output is determined by adjusting the spring force.



Versa Clutch allows the operator to externally adjust the engagement of the clutch plates providing a full range of torque (5-140 In. Lbs. – .56-15.8 Nm) "if ever there was an all-purpose screwdriver for all trades, this is it." When torque is reached, the operator can push and re-engage the clutch jaws to obtain more torque.

Torque Control Shutoff see page 53 for detailed instruction.

FASTENING



Master Power **MP2461-M** Screwdrivers and Nutrunners are rated in terms of 'free speed' (the RPM of the drive spindle with no load at recommended air pressure and the throttle wide open). A calibrated torque wrench can be used to check torque on the job.

Proper tool speed should be selected so that stall torque is greater than, or at least equal to, the torque required for the largest screw or bolt and nut on which the tool will be used. While lower RPM tools provide higher torque, and their torque can be more closely controlled, they increase fastener run-down time. Therefore, if run-down time is an important cost factor, a compromise between accuracy and speed must be reached.

Clutch Types

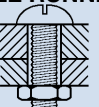
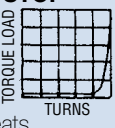
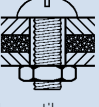
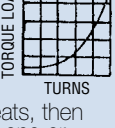
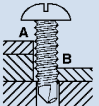
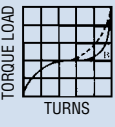

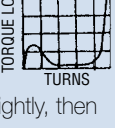
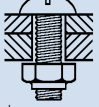
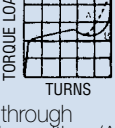

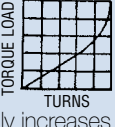
Master Power fastening tools are available with Direct Drive or a choice of clutches: positive, adjustable, or Versa™, or PrecisionMaster™ (see page 45).

With a broad selection of clutches and motors, the Master Power line of tools covers a wide range of torque at several speeds. Coupled with rugged construction and integral drivers, these tools are suitable for an indefinite number of applications.



Size and Type of Screw, Nut, or Bolt – When ordering Master Power screwdrivers and nutrunners, you must first know the size and type of fasteners to be used. This determines the proper bit or socket for the job. When ordering a screwdriver, the type of screw head and diameter of the screw should always be specified.

Kind of Fastening Job – The kind of clutch best suited to a particular job depends upon the resistance characteristics on the screw or bolt. The six most common types of assembly jobs are described in the table below. The table evaluates the performance of the clutches available for each kind of job.

CLUTCH SELECTION GUIDE					
Typical Screwdriving Jobs		Excellent	Good	Fair	Poor
1. FREE RUNNING – SUDDEN STOP   <p>Turns easily until screw head or nut seats against a solid stop. Resistance builds up rapidly.</p>	Auto Shut Off	Versa Clutch Adjustable	Positive Right Angle Stall	Direct Drive	
	2. SOFT PULL-UP   <p>Turns easily until screw head or nut seats, then resistance builds up gradually through one or more turns as resilient material is compressed.</p>	Adjustable Auto Shut Off	Versa Clutch Right Angle Stall Positive	Direct Drive	
3. SELF TAPPING IN THICK MATERIAL   <p>Increasingly heavy resistance through entire travel until screw head seats. Then either (A) gradual or (B) sudden final buildup of resistance.</p>		Versa Clutch Positive	Adjustable Direct Drive	Right Angle Stall	Auto Shut Off
	4. SHEET METAL SCREWS   <p>Resistance increases rapidly, eases slightly, then builds rapidly when screw head seats.</p>	Versa Clutch	Adjustable	Positive Auto Shut Off	Direct Drive Right Angle Stall
5. LOCKNUTS   <p>Starts with heavy resistance that lasts through entire travel until screw or nut seats. Then either (A) gradual or (B) sudden further buildup of resistance.</p>		Versa Clutch	Adjustable Direct Drive Right Angle Stall	Positive	Auto Shut Off
	6. WOOD SCREWS   <p>Starts with small resistance that steadily increases through entire travel with additional resistance as screw head seats.</p>	Positive Versa Clutch Direct Drive	Right Angle Stall		Adjustable Auto Shut Off

FASTENING



Screwdrivers

Direct Drive

- **Torque Range**
Up to 120 In. Lbs
Up to 13 Nm
- **Reversible**
- **1/4" Hex Quick Change**
- **2 Step Throttle**
- **High parts interchangeability**
- **Side to center 13/16" (20.64 mm)**
- **1/4" Hex Quick Change chuck**



MP2404



MP2457

FASTENING

Model Number	Wood Screws (in oak)	Thread Cutting Screws	Machine Screws	Sheet Metal Screws	Max Free RPM	Torque Rating				Length		Weight	
						Hard Slam		Soft Pull		in.	mm	lbs.	kg
						In. Lbs.	Nm	In. Lbs.	Nm				
MP2402	—	—	#6	#6	2800	28	3.2	20	2.3	5.5	140	1.7	.8
MP2404	#6	#6	#8	#8	1700	48	5.4	36	4.1	5.5	140	1.7	.8
MP2406	#8	#8	#10	#10	1100	70	7.9	52	5.9	6.7	170	2.0	.9
MP2456	#14	1/4"	5/16"	5/16"	1100	120	13.6	85	9.4	7.5	190	2.6	1.2
MP2457	#12	1/4"	1/4"	1/4"	1800	75	8.3	55	6.1	6.6	168	2.2	.99
MP2458	#8	#8	#10	#10	2800	65	7.2	30	3.3	6.6	168	2.2	.99

<p>GENERAL: Air Inlet 1/4" NPT Use 1/4" (6.4 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure.</p>	<p>STANDARD EQUIPMENT Owners Manual Parts Sheet</p> <p>OPTIONAL ACCESSORIES 60538 Master Guard oil (4 oz.) 60539 Master Guard oil (1 qt.) 63593 8' Hose Whip 1/4" I.D.</p>	<p>22034 Hose Line Oiler Tune-up kit, see page 88 Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.</p> <p> Refer to Page 4 for description of Rapid Select</p>
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- **Torque Range**
Up to 140 In. Lbs
Up to 15 Nm
- **Reversible**
- **1/4" Hex Quick Change**
- **Balanced design offers easy handling and control to reduce operator fatigue**
- **High parts interchangeability**
- **Side to center 13/16" (20.64 mm)**

Model Number	Wood Screws (in oak)	Thread Cutting Screws	Machine Screws	Sheet Metal Screws	Max Free RPM	Torque Rating				Length		Weight	
						Hard Slam		Soft Pull		in.	mm	lbs.	kg
						In. Lbs.	Nm	In. Lbs.	Nm				
MP2412	—	—	#8	#8	2800	40	4.5	20	2.3	5.4	136	1.9	0.9
MP2414	#8	#8	#10	#10	1700	72	8.2	36	4.1	5.4	136	1.9	0.9
MP2416	#12	1/4"	1/4"	1/4"	1100	100	11.3	52	5.9	6.6	168	2.2	1.0
Inline													
MP2463	#12	1/4"	1/4"	1/4"	1800	100	11	45	5.1	10.2	257	2.8	1.27
Steel Clutch Housing													
MP2460-M	#8	#8	#10	#10	2800	75	8.5	30	3.4	7.4	189	2.6	1.2
MP2461-M	#12	1/4"	1/4"	1/4"	1800	100	11	45	5.1	7.4	189	2.6	1.2
MP2461SR-M	#14	1/2"	3/4"	1/4"	1800	120	13.6	54	6.1	7.4	189	2.6	1.2
MP2462-M	#14	1/4"	5/16"	5/16"	1100	140	15.9	85	9.6	8.1	205	3.1	1.4
Composite Clutch Housing													
MP2460-C	#8	#8	#10	#10	2800	75	8.5	30	3.4	7.4	189	2.6	1.2
MP2461-C	#12	1/4"	1/4"	1/4"	1800	100	11	45	5.1	7.4	189	2.6	1.2
MP2462-C	#14	1/4"	5/16"	5/16"	1100	140	15.9	85	9.6	8.1	205	3.1	1.4

GENERAL:

Air Inlet 1/4" NPT
Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Owners Manual

Parts Sheet

OPTIONAL ACCESSORIES

60538 Master Guard oil (4 oz.)
60539 Master Guard oil (1 qt.)
63593 8' Hose Whip 1/4" I.D.
22034 Hose Line Oiler
Tune-up kit, see page 88

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

Composite handle available by adding -C after model number on MP2460, MP2461 & MP2462.

Refer to Page 4 for description of Rapid Select



Screwdrivers

Adjustable Clutch

- **Torque Range**
8 - 140 In. Lbs
.9 - 15 Nm
- **Push-to-Start**
- **Reversible**
- **1/4" Hex Quick Change**
- **2 Step Throttle, built in speed regulator**
(MP2473, MP2474, MP2475)
- **Maximum parts interchangeability**
- **Extra-heavy engaging jaws**



FASTENING

Model Number	Screw Size		Max. Free RPM	Torque				Length		Weight		Torque Range w/Light Torque Spring				
	in.	mm		Hard Slam		Soft Pull		in.	mm	lbs.	kg	Hard Slam		Soft Pull		
				In. Lbs.	Nm	In. Lbs.	Nm					In. Lbs.	Nm	In. Lbs.	Nm	
Pistol Grip																
MP2422	#8	M4	2800	12-28	1.4-3.2	8-18	.9-2.0	6.3	159	2.1	1.0					
MP2424	#10	M4	1700	12-40	1.4-4.5	8-25	.9-2.8	6.3	159	2.1	1.0					
MP2426	#10	6	1100	30-80	3.4-9.1	20-50	2.3-5.7	7.5	190	2.4	1.1					
MP2470	#10	5	2800	20-75	2.3-8.5	12-30	1.4-3.4	8.5	216	2.9	1.3					
MP2471	#10	6	1800	37-100	4.2-11	30-45	3.4-5.1	8.5	216	2.9	1.3	4-30	.45-3.4	4-15	.45-1.7	
MP2472	1/4"	7	1100	20-140	2.3-15	17-85	1.9-9.6	9.1	232	3.4	1.5	4-22	.45-2.5	4-17	.45-1.9	
Inline																
MP2473	#10	5	2800	20-75	2.3-8.5	12-30	1.4-3.4	10.1	257	2.8	1.3					
MP2474	#10	6	1800	37-100	4.2-11	30-45	3.4-5.1	10.1	257	2.8	1.3	4-30	.45-3.4	4-15	.45-1.9	
MP2475	1/4"	7	1100	20-140	2.3-15	17-85	1.9-9.6	10.8	273	3.0	1.4	4-22	.45-2.5	4-17	.45-1.9	

<p>GENERAL: Air Inlet 1/4" NPT Use 1/4" (6.4 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure.</p> <p>STANDARD EQUIPMENT Suspension ball (lever style only) Clutch adjustment wrenches Owners Manual Parts Sheet</p>	<p>Standard Clutch Spring 9111500 MP2470, MP2473 8620800 MP2471, MP2472, MP2474, MP2475 70414700 MP2422 70414800 MP2424 70414900 MP2426</p> <p>OPTIONAL ACCESSORIES 60538 Master Guard oil (4 oz.) 60539 Master Guard oil (1 qt.) 63593 8' Hose Whip 1/4" I.D. 22034 Hose Line Oiler</p>	<p>Tune-up kit, see page 88 Variations of the tools called "Special Requests" can be found and ordered from pages 90-92. Light Optional Clutch Spring (5-20 in. lb.) 9111500 MP2471, MP2472, MP2474, MP2475 Optional Clutch Springs for MP2422 - MP2426 70414700 Blue 8-25 in.lb. 70414800 Copper 20-50 in.lb. 70414900 Black 30-70 in.lb.</p> <p> Refer to Page 4 for description of Rapid Select</p>
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MP2430

- Torque Range
5 - 140 In. Lbs
.6 - 15 Nm
- Push-to-Start
- Reversible
- Torque externally adjusted
- 1/4" Hex Quick Change
- 2 Step Throttle
- Maximum parts interchangeability
- Drive and driven clutches are identical, inexpensive and easy to change
- Ball bearing supported output spindle
- Built-in speed regulator – MP2433 & MP2434
- Side to center 13/16" (20.64 mm)



MP2433

FASTENING

Model Number	Wood Screws (in oak)	Thread Cutting Screws	Machine Screws	Sheet Metal Screws	Max Free RPM	Torque Rating				Length		Weight	
						Hard Slam		Soft Pull		in.	mm	lbs.	kg
						In. Lbs.	Nm	In. Lbs.	Nm				
Pistol Grip													
MP2430	#14	1/4"	1/4"	5/16"	1100	5-140	.6-15	5-85	.6-10	9.1	230	3.3	1.50
MP2431	#12	1/4"	#10	1/4"	1800	17-100	1.9-11	5-45	.6-5.1	8.5	216	3.9	1.77
MP2432	#8	#8	#10	#10	2800	35-75	4-8.5	5-30	.6-3.4	8.5	216	2.9	1.32
Inline													
MP2433	#12	1/4"	#10	1/4"	1800	17-100	1.9-11	5-45	.6-5.1	10.2	257	2.9	1.32
MP2434	#8	#8	#10	#10	2800	35-75	4-8.5	5-30	.6-3.4	10.1	257	2.8	1.27

GENERAL:

Air Inlet 1/4" NPT
Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT
Owners Manual

Parts Sheet
Suspension Bail

OPTIONAL ACCESSORIES
60538 Master Guard oil (4 oz.)
60539 Master Guard oil (1 qt.)
63593 8' Hose Whip 1/4" I.D.

22034 Hose Line Oiler
Tune-up kit, see page 88
Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

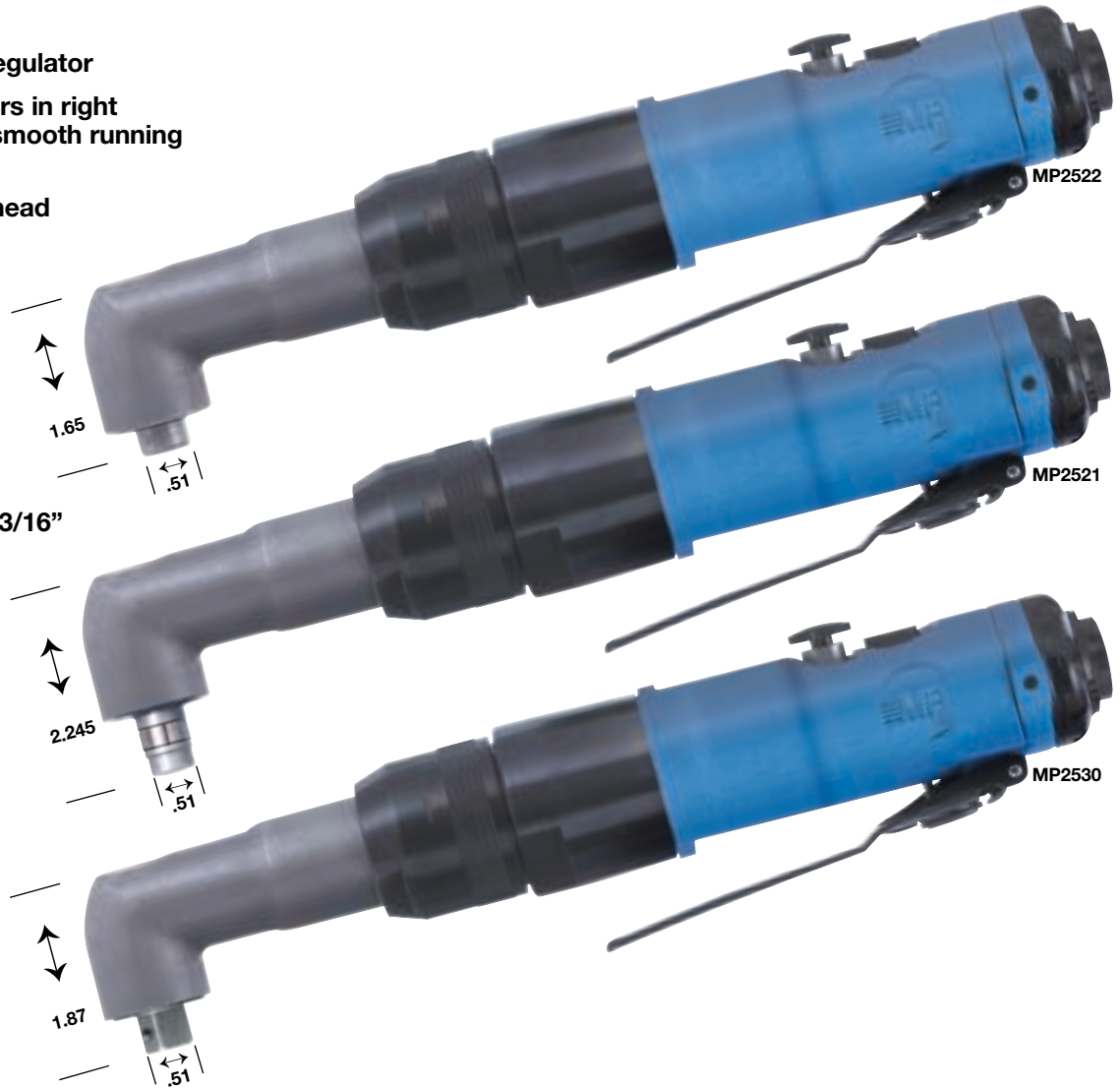
Refer to Page 4 for description of Rapid Select



Screwdrivers

Right Angle, Direct Drive

- Reversible
- Built-in speed regulator
- Spiral bevel gears in right angle head for smooth running and longer life
- Stainless steel head
- Rear exhaust
- Full feathering throttle for easy starts
- Lock-in instant reverse for ease of screw removal
- Side to center 13/16" (20.64 mm)



FASTENING

Model Number	Wood Screws (in oak)	Thread Cutting Screws	Machine Screws	Sheet Metal Screws	Max Free RPM	Torque Rating				Head Height		Length		Weight	
						Hard Slam In. Lbs.	Nm	Soft Pull In. Lbs.	Nm	in.	mm	in.	mm	lbs.	kg
1/4" Snap Lock Drive															
MP2520	#12	1/4	1/4	1/4	800	115	13	86	9.7	1.6	42	10.3	260	3.0	1.4
MP2522	#8	#8	#10	#10	1300	65	7.5	52	5.9	1.6	42	10.3	260	2.8	1.4
MP2524	#6	#8	#10	#8	2000	52	5.9	29	3.3	1.6	42	11.0	279	2.8	1.3
1/4" Quick Change Drive															
MP2521	1/4"	1/4"	1/4"	1/4"	800	115	13	86	9.7	2.2	55	10.3	260	2.8	1.3
MP2523	#12	1/4	#10	1/4"	1300	65	7.5	52	5.9	2.2	55	10.3	260	3.0	1.4
MP2525	#6	#8	#10	#8	2000	52	5.9	29	3.3	2.2	55	11.0	279	2.8	1.3
3/8" Square Drive															
MP2530	#14	1/4	5/16	5/16	800	180	20.4	100	11.3	1.9	48	10.3	260	3.0	1.4
MP2532	#12	1/4	1/4	1/4	1300	85	9.6	65	7.4	1.9	48	10.3	260	2.8	1.3
MP2534	#8	#8	#10	#10	2000	69	7.8	40	4.5	1.9	48	11.0	279	2.8	1.3

<p>GENERAL: Air Inlet 1/4" NPT Use 1/4" (6.4 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure.</p>	<p>STANDARD EQUIPMENT Owners Manual Parts Sheet</p> <p>OPTIONAL ACCESSORIES 60538 Master Guard oil (4 oz.) 60539 Master Guard oil (1 qt.)</p>	<p>63593 8' Hose Whip 1/4" I.D. 22034 Hose Line Oiler Tune-up kit, see page 88 Variations of the tools called "Special Requests" can be found and ordered from pages 90-92. Refer to Page 4 for description of Rapid Select</p>
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MP2264



MP2265



MP2266

- High power to weight ratio
- Speed of a screwdriver, power of an impact
- Ideal for soft joint applications
- 4 built-in speed control regulator positions for varying torque output
- Smooth and efficient impact mechanism creates no torque reaction
- Compact clutch design
- 100% ball bearing design
- Reversible
- Detachable belt clip (MP2264, MP2265)

FASTENING

Model Number	Bolt Capacity		Max Free RPM	Blows Per Minute	Torque Range		Weight		Drive In.
	in.	mm			Ft. Lbs.	Nm	lbs.	kg	
Pistol									
MP2264	1/2"	10	10,000	1700	10-65	13.5-102	2.2	1	1/4 QC
MP2265	1/2"	10	10,000	1700	10-65	13.5-102	2.2	1	3/8 SQ*
Inline									
MP2266	1/2"	10	9,500	1700	10-65	14.0-88	2.2	1	1/4 QC

GENERAL:

Air Inlet 1/4" NPT
 Use 1/4" (6.4 mm) I.D. hose
 All tools performance rated @ 90psi (620 kPa) air pressure.
 *Pin retainer

STANDARD EQUIPMENT

Owners Manual
 Parts Sheet

OPTIONAL ACCESSORIES

60538 Master Guard oil (4 oz.)
 60539 Master Guard oil (1 qt.)
 22034 Hose Line Oiler

70497000 Flow Regulator
 88007045 Trigger Assembly Kit, MP2264, MP2265
 Tune-up kit, see page 88
 Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

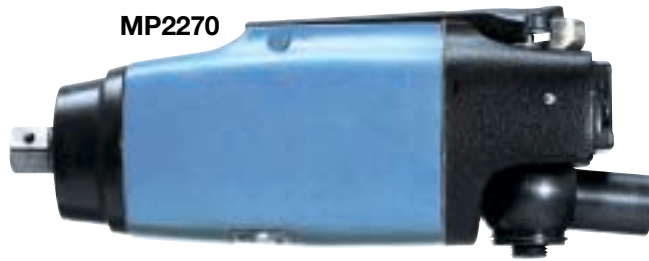
Refer to Page 4 for description of Rapid Select



Impact Wrenches

Reversible

- Reversible
- 100% ball bearing motor design
- Full power forward and reverse
- Unique feathering throttle
- 2 step throttle (pistol grip units)
- Model MP2274: lightweight aluminum front housing



FASTENING

Model Number	Bolt Capacity		Max Free RPM	Blows Per Minute	Torque Range		Side to Center		Weight		Drive In.
	in.	mm			Ft. Lbs.	Nm	in.	mm	lbs.	kg	
MP2270	1/2"	12	10,700	1200	10-65	13-88	.88	22	2.7	1.2	3/8 SQ
MP2274	1/2"	12	12,000	1100	10-60	13-88	1.1	27	2.7	1.2	3/8 SQ
MP2275	1/2"	12	12,000	1100	10-65	13-88	1.1	27	2.7	1.2	3/8 SQ
MP2278	1/2"	12	12,000	1100	10-60	13-88	1.1	27	2.7	1.2	7/16 QC

GENERAL:

Air Inlet 1/4" NPT
 Use 1/4" (6.4 mm) I.D. hose
 All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Owners Manual
 Parts Sheet

OPTIONAL ACCESSORIES

60538 Master Guard oil (4 oz.)
 60539 Master Guard oil (1 qt.)
 63593 8' Hose whip

22034 Hose line oiler

Tune-up kit, see page 88

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

Refer to Page 4 for description of Rapid Select



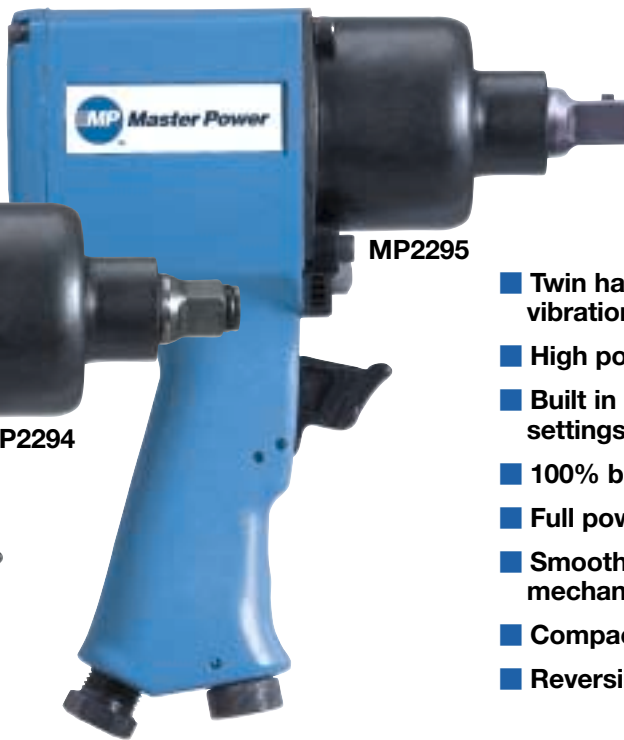
It is the user's responsibility to refer and comply with ANSI B7.1

WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90 psi (620 kPa). Follow cutting tool manufacturer's mounting & operating instructions.



MP2292

- 100% ball bearing motor design
- Equipped with 1/2" square pin detent sockets retainer
- Steel clutch housing (model MP2292) for long life under severe conditions
- Protected, convenient reverse mechanism
- Adjustable throttle



MP2295

MP2294

- Twin hammer anvil for reduced vibration
- High power to weight ratio
- Built in power regulator with four settings
- 100% ball bearing motor design
- Full power forward and reverse
- Smooth and efficient impact mechanism
- Compact clutch design
- Reversible

FASTENING

Model Number	Bolt Capacity		Max Free RPM	Blows Per Minute	Torque Range		Weight		Square Drive In.
	in.	mm			Ft. Lbs.	Nm	lbs.	kg	
MP2291	3/4"	20	8000	1100	25-275	33-373	6.4	2.9	1/2 w/3" ext.
MP2292	3/4"	20	7000	1200	30-300	40-407	6.1	2.8	1/2
MP2293	3/4"	20	8000	1100	25-275	33-373	6.3	2.8	1/2
MP2294	3/4"	20	6,500	1400	37-370	50-502	5.3	2.4	1/2 (ring ret.)
MP2295	3/4"	20	6,500	1400	37-370	50-502	5.3	2.4	1/2 (pin ret.)

GENERAL:

Air Inlet 1/4" NPT
 Use 1/4" (6.4 mm) I.D. hose
 All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Owners Manual
 Parts Sheet

OPTIONAL ACCESSORIES

60538 Master Guard oil (4 oz.)
 60539 Master Guard oil (1 qt.)
 63593 8' Hose whip

22034 Hose line oiler

Tune-up kit, see page 88

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

Refer to Page 4 for description of Rapid Select



Impact Wrenches

Reversible



MP2321

- Reversible
- 100% ball bearing motor design
- Tough, steel clutch housing for long life under severe conditions (Models MP2321, MP2322)
- Built in oil bath for impact parts. Extends mechanical life
- Built in oil air mist system in handle enhances motor life
- Snap ring with ring attachment on anvil prevents socket jam (Model MP2329 only)
- Through hole in clutch shank for socket retaining pin (except for Model MP2329)



MP2329

FASTENING

Model Number	Bolt Capacity		Max Free RPM	Blows Per Minute	Torque Range		Side to Center		Weight		Square Drive In.
	in.	mm			Ft. Lbs.	Nm	in.	mm	lbs.	kg	
MP2321	1	27	4,500	1300	200-900	271-1220	2.0	51	13.6	6.2	3/4
MP2322	1	27	4,500	1300	200-900	271-1220	2.0	51	14.2	6.4	1
MP2329	1	27	3,000	900	100-800	135-1085	2.0	51	12	5.4	3/4

GENERAL:

Air inlet 3/8" N.P.T.
 Use 3/8" (9.6 mm) I.D. hose
 All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Owners Manual
 Parts Sheet
 Suspension bail (MP2321 & MP2322 only)

OPTIONAL ACCESSORIES

60538 Master Guard oil (4 oz.)
 60539 Master Guard oil (1 qt.)
 Tune-up kit, see page 88
 Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.



It is the user's responsibility to refer and comply with ANSI B7.1

WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90 psi (620 kPa). Follow cutting tool manufacturer's mounting & operating instructions.

PrecisionMaster®

...human engineered for comfort and accuracy.



Torque Control Automatic Shut-off Air Screwdrivers & Nutrunners

The PrecisionMaster line has been refined through extensive human engineering research and design. Now you can choose from a complete range of automatic shut-off screwdrivers and nutrunners to satisfy every torque and speed requirement – the ultimate in operator comfort and precision.

Precise, accurate and consistent torque. Fasten virtually any material. The PrecisionMaster clutch and automatic shut-off provide consistent uniform torque on both hard and soft joints. Built for demanding production assembly requirements, PrecisionMaster delivers the accuracy you need over hundreds of thousands of fastening cycles.

Torque adjustment is accomplished externally, using a single, easy-to-set spring adjustment that stays put for repeatable accuracy.

Ergonomic design reduces operator fatigue. On the inside, you've got the optimum combination of motor and clutch design to achieve quiet, vibration free operation. On achieving torque,

PrecisionMaster Clutch counteracts the radial force of the tool at the critical moment when the motor shuts off. As a result, the operator feels next to nothing at the end of the cycle.

On the outside, you've got comfort grip designs which have been optimized using computer modeling and extensive prototype testing. They are the ideal shape for right- or left-handed operation by hands of all sizes. And of course, tough alloy housings make the tools as light as possible. All this adds up to an offering of precision assembly tools that are truly *less stressful* to use.



FASTENING

PrecisionMaster® Assembly Tools

Increase productivity and save up to 85% on energy costs!

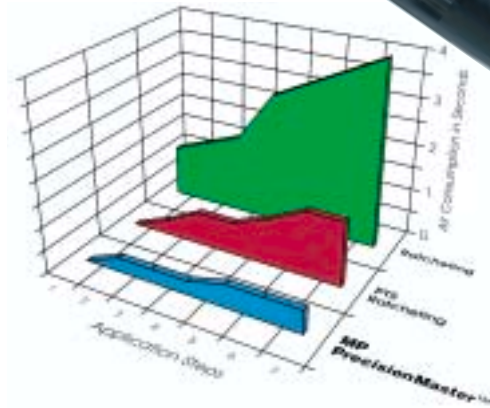
Ratcheting screwdrivers waste compressed air because the operator must decide to stop the tool after ratcheting starts. Human judgement enters into the decision about when the fastening cycle is complete, usually based on a feeling of confidence about when torque has been reached.

PrecisionMaster automatically shuts off the instant the desired torque is achieved, saving energy in every cycle. The operator confidently moves on to the next fastener dramatically increasing productivity at a lower cost.



MP2637B

MP2704B



FASTENING

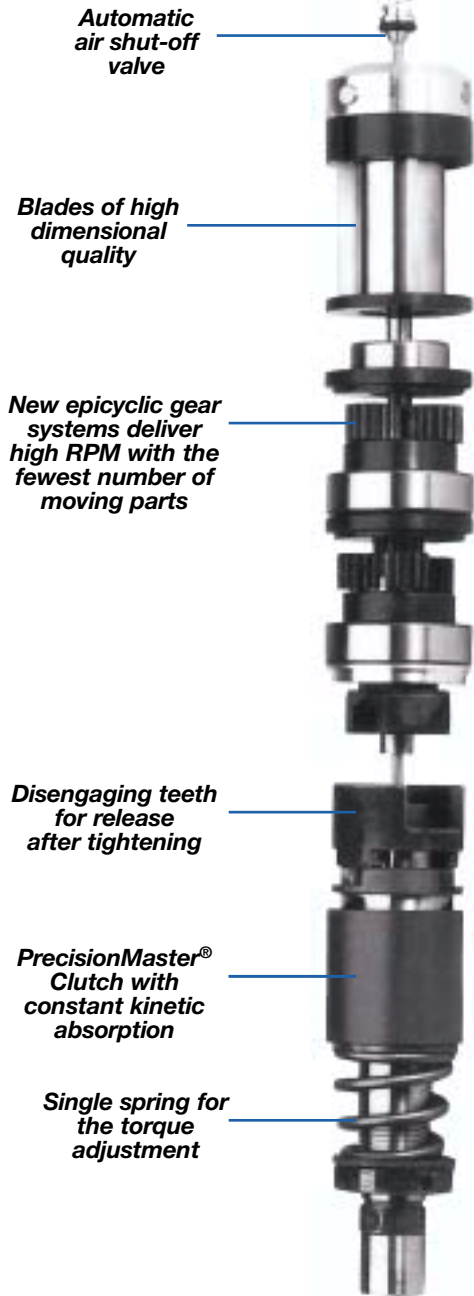
PrecisionMaster Uses the Least Energy

PrecisionMaster... A clutch that performs

Torque settings are simple to make with a single external adjustment. Accurate pre-set torque will remain constant over hundreds of thousands of fastening cycles.

All models can be ordered with non-lubricating motors for use in assembly applications where oil mist cannot be present.

And, of course, they all comply with applicable OSHA Standards!



- **Torque Range**
5.3 - 38.0 In. Lbs.
0.6 - 4.3 Nm
- **Immediate, automatic air shut-off guarantees high torque repeatability and reduces quality controls at the end of the assembly process.**
- **The cycle end acoustic signal permits the operator to pass on to the next tightening cycle more rapidly.**
- **Reverse button with a locking system**
- **1/4" Hex quick change chuck**
- **Extremely light and easy to handle for operator comfort & productivity**
- **Designed for use with either lubricated or unlubricated compressed air**



FASTENING

Model Number	Screw Size		Max. Free RPM	Torque Rating				Length		Weight	
	in	mm		Hard Joint		Soft Joint		in.	mm	lbs.	kg
				In. Lbs.	Nm	In. Lbs.	Nm				
Inline, Push-to-Start, Auto Shutoff											
MP2603B	#8	3.5	1300	5.3-21.2	0.6-2.4	5.3-21.2	0.6-2.4	8.7	218	1.2	0.56
MP2604B	#10	4	900	5.3-29.2	0.6-3.3	5.3-29.2	0.6-3.3	8.7	218	1.2	0.56
MP2605B	#10	4	600	5.3-38.0	0.6-4.3	5.3-38.0	0.6-4.3	8.7	218	1.2	0.56
Pistol Grip, Trigger Start, Auto Shutoff											
MP2652B	#10	4	900	5.3-29.2	0.6-3.3	5.3-29.2	0.6-3.3	7.9	200	1.7	0.75
MP2653B	#10	4	600	5.3-38.0	0.6-4.3	5.3-38.0	0.6-4.3	7.9	200	1.7	0.75

<p>GENERAL: Air Inlet 1/4" NPT Use 5/16" (8 mm) I.D. hose All tools performance rated @ 90 psi (620 kPa) air pressure</p>	<p>STANDARD EQUIPMENT: Clutch Adjustment Tool Suspension Bail Use and Maintenance Manual</p>	<p>OPTIONAL EQUIPMENT: See page 59 for optional Torque Springs.</p>
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WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90 psi (620 kPa). Follow cutting tool manufacturer's mounting & operating instructions.



It is the user's responsibility to refer and comply with ANSI B7.1

PrecisionMaster® Screwdrivers

Push-to-Start & Trigger

- **Torque Range**
22 - 89 In. Lbs.
2.5 - 10.0 Nm
- **Ideal for operations which require thrust along the screwdriving axis (for example, with self-tapping and self-drilling screws).**
- **Automatic & immediate air shut off for more torque repeatability in every kind of joint**
- **Acoustic signal of cycle ending**
- **Considerable reduction in noise level with innovative built-in silencing system and low vibration levels achieved by the new design of internal gears**
- **Reverse button with a locking system in a protected position to avoid casual impacts**
- **Quick change chuck for faster bit replacement**
- **Designed for use with either lubricated or unlubricated compressed air**

FASTENING



Model Number	Screw Size		Max. Free RPM	Torque Rating				Length		Weight	
	in	mm		Hard Joint		Soft Joint		in.	mm	lbs.	kg
				In. Lbs.	Nm	In. Lbs.	Nm				
Inline, Push-to-Start, Auto Shutoff											
MP2704B	1/4"	5	1000	22-71	2.5-8	22-71	2.5-8	9.7	245	1.9	0.87
MP2705B	1/4"	6	500	22-89	2.5-10	22-89	2.5-10	9.7	245	1.9	0.87
Pistol Grip, Trigger Start, Auto Shutoff											
MP2712B	1/4"	5	1000	22-71	2.5-8	22-71	2.5-8	9.7	245	2.4	1.1
MP2713B	1/4"	6	500	22-89	2.5-10	22-89	2.5-10	9.7	245	2.4	1.1

GENERAL:

Air Inlet 1/4" NPT
Use 1/4" (5 mm) I.D. hose
All tools performance rated @ 90 psi (620 kPa) air pressure

STANDARD EQUIPMENT:

Additional Clutch Spring
Clutch Adjustment Tool
Suspension Bail
Use and Maintenance Manual



- **Torque Range**
13.3 - 88 In. Lbs.
1.5 - 10 Nm
- **Extremely versatile and can be used on any type of joint especially with self-tapping screws**
- **Quick change chuck allows a faster replacement of the accessories and more work safety for the operator**
- **New hanging ring allows a more comfortable and versatile use**
- **Designed for use with either lubricated or unlubricated compressed air**
- **Reversible**
- **Low noise level**




MP2801B

FASTENING

Model Number	Screw Size		Max. Free RPM	Torque Rating				Length		Weight	
	in	mm		Hard Joint		Soft Joint		in	mm	lbs.	kg
				In. Lbs.	Nm	In. Lbs.	Nm				
Pistol Grip, Trigger Start, Slip Clutch											
MP2801B			900	13.3-70.8	1.5-8	13.3-70.8	1.5-8	8.8	224	2.2	1.0
MP2802B			450	13.3-88.5	1.5-10	13.3-88.5	1.5-10	8.8	224	2.2	1.0

<p>GENERAL: Air Inlet 1/4" NPT Use 1/4" (6.4 mm) I.D. hose All tools performance rated @ 90 psi (620 kPa) air pressure</p>	<p>STANDARD EQUIPMENT: Clutch Springs Clutch Adjustment Tool Suspension Bail Use and Maintenance Manual</p>	<p>OPTIONAL EQUIPMENT: Bits and Finders Extra Light Torque Springs See page 59 for optional Torque Springs.</p>
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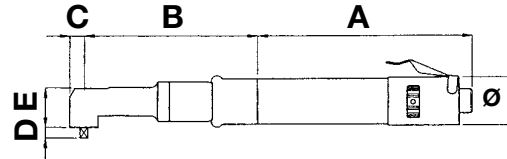
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90 psi (620 kPa). Follow cutting tool manufacturer's mounting & operating instructions.

 It is the user's responsibility to refer and comply with ANSI B7.1

PrecisionMaster® Nutrunners

90°

- **Torque Range**
18 - 208 In. Lbs.
2 - 23 Nm
- **Indispensable when space is limited or where access is difficult**
- **Immediate and automatic air shut-off which considerably improves the repeatability of torque on all types of joints and reduces stress on the operator's hand**
- **End of cycle buzzer warns the operator that the tightening process is over**
- **Robust angle heads to guarantee long life**
- **Reversible, easy-to-use reverse button with locking device**
- **Designed for use with either lubricated or unlubricated compressed air**
- **Low noise and vibration levels**



Model	A	B	C	D	E	Ø
MP2637B	195mm 7.68 in.	97mm 3.82 in.	12.5mm 0.49 in.	12mm 0.47 in.	30mm 1.18 in.	40mm 1.58 in.
MP2638B	180mm 7.09 in.	137mm 5.39 in.	14mm 0.55 in.	12mm 0.47 in.	34.5mm 1.36 in.	40mm 1.58 in.
MP2639B	180mm 7.09 in.	137mm 5.39 in.	14mm 0.55 in.	12mm 0.47 in.	34.5mm 1.36 in.	40mm 1.58 in.

Model Number	Screw Size		Max. Free RPM	Torque Rating				Length		Weight	
	in	mm		Hard Joint		SoftJoint		in	mm	lbs.	kg

90°, Lever, 3/8" Square Drive

MP2637B	1/4"	6	900	18-79	2-9	18-79	2-9	12.0	305	2.7	1.2
MP2638B	1/4"	7	350	62-133	7-15	71-159	8-18	13.0	331	3.1	1.4
MP2639B	5/16"	8	350	120-208	14-23	129-230	15-26	13.0	331	3.1	1.4

GENERAL:

Air inlet 1/4" NPT
Use 5/16" (8 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Clutch Adjustment Tool
Suspension Bail
Use and Maintenance Manual

See page 59 for optional Torque Springs.

PrecisionMaster® Screwdrivers

Direct Drive

- **Torque Range**
Up to 141 In. Lbs.
Up to 16 Nm
- **Ideal wherever self threading, self-drilling & wood screws of different lengths & dimensions are used**
- **Tightening torque can be adjusted by using an optional air flow regulator**
- **Reversible**
- **1/4"Hex quick change chuck**
- **Compact size**
- **Low noise and minimum vibration**



Model Number	Screw Size		Maximum Free RPM	Torque Specifications		Length		Weight	
	in.	mm		In. Lbs.	Nm	in.	mm	lbs.	kg
MP2762B	1/4"	6	1100	88.6	10	8.4	214	2	0.9
MP2763B	1/4"	6	600	141.7	16	8.4	214	2	0.9

GENERAL:

Air Inlet 1/4" NPT
Use 5/16" (8 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

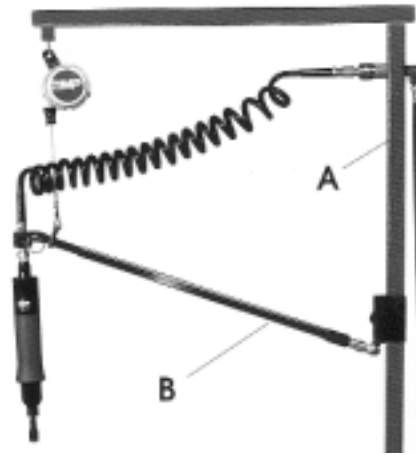
STANDARD EQUIPMENT

Suspension Bail
Use and Maintenance Manual

OPTIONAL EQUIPMENT

Air Flow Regulator with scaled control





A. TOOL SUPPORT ARM

- Reduce operator fatigue
- Avoid damage to assembly components
- Eliminate air hose clutter & tangles
- Increases work place safety
- Allows fast tool change without special tools
- 1" square 18 gauge tubing
- Chrome finish
- 3" square welded base for mounting

Model Number	Boom Length		Overall Height	
	in.	mm	in.	mm

Tool Support Arm

719974	18	457.2	37	939.8
719975	24	609.6	37	939.8
719976	30	762	37	939.8

STANDARD EQUIPMENT

5 lb. Capacity Balancer
Quick Disconnect Coupling
6' Hose Whip 1/4"
4 Mounting Screws

OPTIONAL BOOM LENGTHS

719977 18" (457.2 mm)
719978 24" (609.6 mm)
719979 30" (762.0 mm)
719980 Balancer (5 lb. capacity)

B. TORQUE REACTION ARM

- Telescoping unit provides complete freedom of movement
- Adapts easily to Master Power Tool Support Arm
- No torque reaction from 1 to 200 In. Lbs.
- Easy to assemble – no tools required

Model Number	Fits Boom Length		Overall Height		Reach	
	in.	mm	in.	mm	Min.	Max.

Torque Reaction Arm

719990	18	457.2	17	431.8	9"	25"
719991	24	609.6	22	558.8	10"	37"
719992	30	762.0	28	711.2	16"	49"

STANDARD EQUIPMENT

Parts List

SPRING TORQUE CHART

Model Number	Tool	Spring Number	Range - Tightening Torque				Color
			Hard Joint		Soft Joint		
			In. Lbs.	Nm	In. Lbs.	Nm	

Clutch Springs

MP2603B	*	80189700	7.1 - 22.1	0.8 - 2.5	7.1 - 22.1	0.8 - 2.5	GREY
MP2603B	†	80189600	4.4 - 14.1	0.5 - 1.6	4.4 - 14.1	0.5 - 1.6	BLACK
MP2604B	*	80189700	7.1 - 29.2	0.8 - 3.3	7.1 - 29.2	0.8 - 3.3	GREY
MP2604B	†	80189600	4.4 - 14.1	0.5 - 1.6	4.4 - 14.1	0.5 - 1.6	BLACK
MP2605B	*	80189700	7.1 - 38.9	0.8 - 4.4	7.1 - 38.9	0.8 - 4.4	GREY
MP2605B	†	80189600	4.4 - 14.1	0.5 - 1.6	4.4 - 14.1	0.5 - 1.6	BLACK
MP2652B	*	80189700	7.1 - 38.9	0.8 - 4.4	7.1 - 38.9	0.8 - 4.4	GREY2
MP2652B	†	80189600	4.4 - 14.1	0.5 - 1.6	4.4 - 14.1	0.5 - 1.6	BLACK
MP2653B	*	80189700	7.1 - 38.9	0.8 - 4.4	7.1 - 38.9	0.8 - 4.4	GREY
MP2653B	†	80189600	4.4 - 14.1	0.5 - 1.6	4.4 - 14.1	0.5 - 1.6	BLACK
MP2712B	*	80195700	22 - 71	2.5 - 8	22 - 71	2.5 - 8	BLUE
MP2713B	*	80195800	22 - 89	2.5 - 10	22 - 89	2.5 - 10	GREY
MP2704B	*	80195700	22-71	2.5-8	22-71	2.5-8	BLUE
MP2705B	*	80195800	22-89	2.5-10	22-89	2.5-10	GREY
MP2637B	*	80195700	18-79	2-9	18-79	2-9	BLUE
MP2638B	*	80201800	62.1-168.5	7-19	62.1-186.3	7-21	GREEN
MP2639B	*	80201900	88.7-221.7	10-25	88.7-239.5	10-27	BLUE
MP2601B	*	80209400	13.3-57.5	1.5-6.5	13.3-57.5	1.5-6.5	WHITE
MP2601B	†	80209500	35.4-70.8	4-8	35.4-70.8	4-8	RED
MP2602B	*	80209400	13.3-39.8	1.5-4.5	13.3-39.8	1.5-4.5	WHITE
MP2602B	†	80209500	31.0-88.5	3.5-10	31.0-88.5	3.5-10	RED

* Assembled on the tool

† Supplied with Tool



Master Power grinding tools... Efficiency plus durability for every finishing job.

Handleability

Lock-Off Lever Throttle – a feature designed for operator comfort and protection which requires the operator to make two deliberate movements before operating the tool.

Quiet Operation – designed to limit tool noise within acceptable industry standards.

Durability

All Ball and Roller Bearing Construction – Precision ball and roller bearings, used at vital wear points provide reduced friction, smooth, quiet operation, and extended tool life.

Rugged Construction – each tool housing is built to withstand abusive use and provide years of maintenance-free service.

Adaptability

Versatility – Master Power Air Abrasive Tools are available in a variety of styles, designs and configurations wide enough to handle virtually any application . . . from die grinders to right angle sanders to vertical grinders to belt sanders to buffers. Many of these tools can be converted from one use to another . . . from grinder to sander, etc. . . . with available accessories.




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GRINDERS

WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90 psi (620 kPa). Follow cutting tool manufacturer's mounting & operating instructions.

 It is the user's responsibility to refer and comply with ANSI B7.1

Die Grinders

23,000 to 30,000 RPM

- **Nominal Motor Power**
 .3 – .5 Hp
 .22 – .37kw
- **23,000 to 30,000 RPM**
- **Front or rear exhaust**
- **100% Ball bearing construction**
- **One piece spindle-hardened**
- **Hardened and ground motor parts for long life**
- **Trim comfortable ergonomic design – enables excellent control**
- **Aluminum housing**



GRINDERS

Model Number	Exhaust	Max Free RPM	Hp.	Mounted Wheels	Carbide Bur	Length		Weight		Standard Collet
						in.	mm	lbs.	kg	
MP4413	Rear	30,000	.3	1"	1/2"	6.1	133	.8	.36	1/4"
MP4319	Front	30,000	.5	1"	1/2"	6.4	160	.8	.36	1/4"
MP4419	Front	23,000	.5	1"	1/2"	6.4	160	.8	.36	1/4"

GENERAL Air Inlet 1/4" NPT Use 1/4" (6.4 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure.	STANDARD EQUIPMENT 2028500 Collet Wrench Owners Manual Parts Sheet	OPTIONAL MODELS/COLLETS: See page 92 Variations of the tools called "Special Requests" can be found and ordered from pages 90-92. Refer to Page 4 for description of Rapid Select
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- **Nominal Motor Power**
.5 Hp
.37kw
- **18,000 to 23,000 RPM**
- **Front exhaust**
- **100% Ball bearing construction**
- **One piece spindle-hardened and chrome plated**
- **Hardened and ground motor parts for long life**
- **Ergonomically designed three bearing motor housing reduces vibration**
- **Steel or aluminum housing**



MP4420

MP4422

GRINDERS

Model Number	Exhaust	Max Free RPM	Hp.	Mounted Wheels	Carbide Bur	Housing	Length		Weight		Standard Collet
							in.	mm	lbs.	kg	
MP4322	Front	30,000	.5	1 1/2"	1"	Aluminum	6.8	173	.9	.42	1/4"
MP4418	Front	18,000	.5	1 1/2"	1"	Steel	6.8	173	1.7	.76	1/4"
MP4420	Front	23,000	.5	1 1/2"	1"	Steel	6.8	173	1.7	.76	1/4"
MP4421	Front	23,000	.5	1 1/2"	1"	Steel	6.8	173	1.7	.76	1/4"
MP4422	Front	23,000	.5	1 1/2"	1"	Aluminum	6.8	173	.9	.42	1/4"

GENERAL

Air Inlet 1/4" NPT
Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

2028500 Collet Wrench
Owners Manual
Parts Sheet

OPTIONAL MODELS/COLLETS:

See page 92

OPTIONAL ACCESSORIES

Lock-off throttle available upon request, add -L to catalog number.
80079600 Foam Ergosleeve for MP4418, MP4420, MP4421, MP4422
60538 Master Guard oil (.4 oz.)
60539 Master Guard oil (1 qt.)

22034 Hose Line Oiler

Tune-up kit, see page 88

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

Refer to Page 4 for description of Rapid Select



Die Grinders

23,000 RPM

- **Nominal Motor Power**
.5 Hp
.37 kw
- **23,000 RPM**
- **Front or rear exhaust**
- **100% Ball bearing construction**
- **One piece spindle-hardened and chrome plated**
- **Hardened and ground motor parts for long life**
- **Ergonomically designed three bearing motor housing reduces vibration**
- **All steel housing**



GRINDERS

Model Number	Exhaust	Max Free RPM	Hp.	Mounted Wheels	Carbide Bur	Length		Weight		Standard Collet
						in.	mm	lbs.	kg	
MP4438	Front	23,000	.5	1 1/2"	1"	6.9	179	1.7	.76	1/4"
MP4439	Rear	23,000	.5	1 1/2"	1"	7.2	187	1.5	.71	1/4"
MP4538	Front	23,000	.5	1 1/2"	1"	6.8	173	1.7	.76	1/4"

<p>GENERAL Air Inlet 1/4" NPT Use 1/4" (6.4 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure.</p> <p>STANDARD EQUIPMENT Collet Wrenches Owners Manual Parts Sheet</p>	<p>OPTIONAL MODELS/COLLETS: See page 92</p> <p>OPTIONAL ACCESSORIES 60538 Master Guard oil (4 oz.) 60539 Master Guard oil (1 qt.) 22034 Hose Line Oil 80079600 Foam Ergosleeve for MP4438, MP4439, MP4538</p>	<p>Tune-up kit, see page 88 Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.</p> <p> Refer to Page 4 for description of Rapid Select</p>
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- **Nominal Motor Power**
.9 Hp
.67 kw
- **20,000 RPM**
- **Heavy duty collet**
- **Steel housing**
- **Powerful .9 hp motor produces high, efficient performance for the roughest tasks**
- **Rugged design ideal for rapid metal removal, deburring, smoothing, repair**



MP4540

Model Number	Exhaust	Max Free RPM	Hp.	Mounted Wheels	Carbide Bur	Length		Weight		Standard Collet
						in.	mm	lbs.	kg	
MP4540	Front	20000	.9	1 1/2"	1"	7.1	180	2.4	1.1	1/4"

GENERAL

Air Inlet 1/4" NPT
Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Collet Wrenches
Owners Manual
Parts List

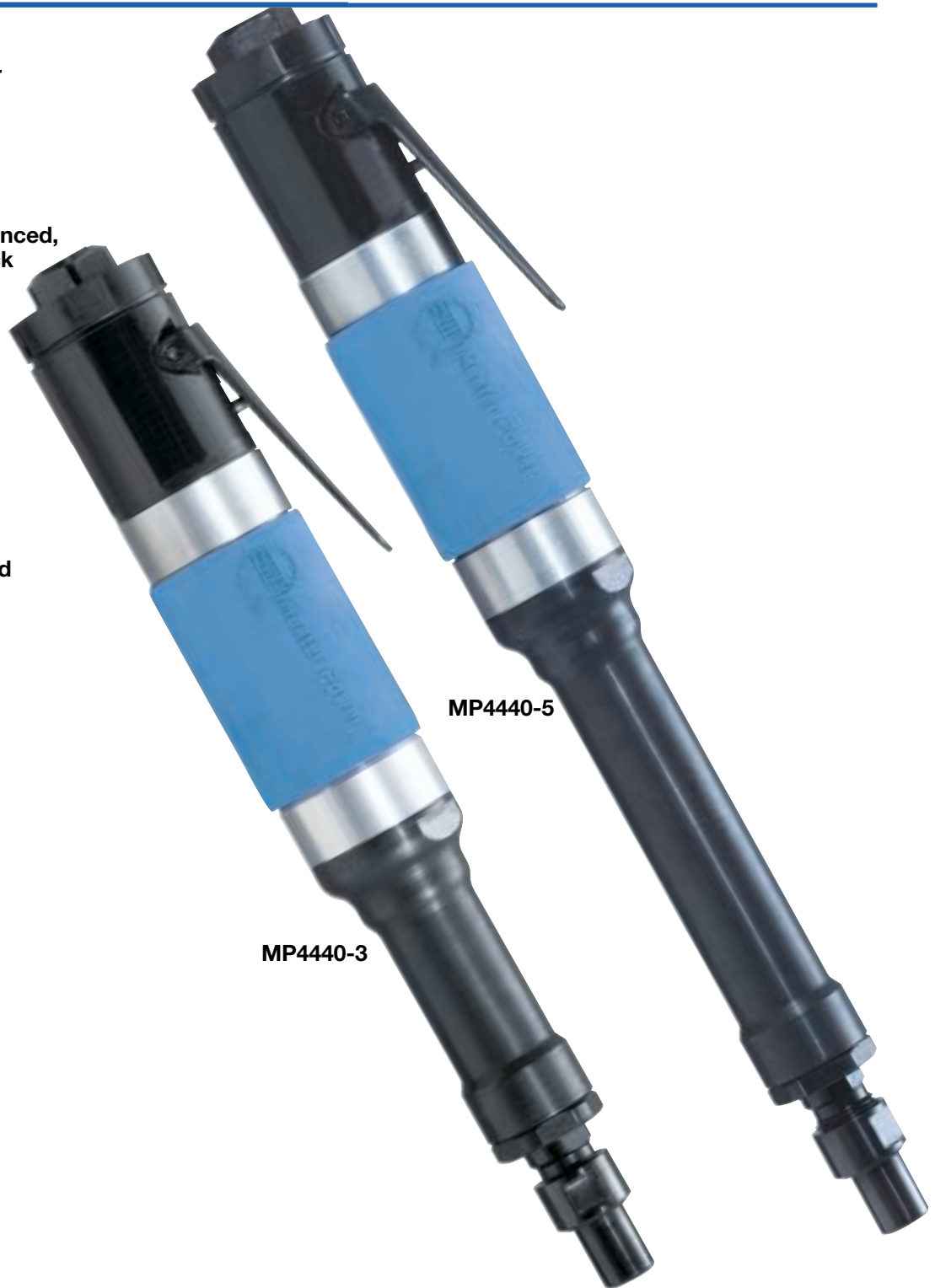
Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.



Extended Spindle Grinders

28,000 RPM

- Nominal Motor Power
.6 Hp
.45 kw
- 28,000 RPM
- Non-Governed
- Lightweight, well balanced, and ergonomic shock absorbing cover
- Low noise
- One piece, rigid, hard chrome plated spindle
- Spindle supported by four ball bearings for maximum support
- Feather style throttle
- Steel inlet bushing and front end housing



MP4440-5

MP4440-3

GRINDERS

Model Number	Exhaust	Max Free RPM	Hp.	Mounted Wheels	Carbide Bur	Length		Weight		Standard Collet
						in.	mm	lbs.	kg	
MP4440-3	Rear	28,000	.6	1"	1/2"	10.3	262	1.1	.51	1/4"
MP4440-5	Rear	28,000	.6	1"	1/2"	12.3	315	1.7	.77	1/4"

GENERAL

Air Inlet 1/4" NPT
Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Collet Wrenches
Owners Manual
Parts Sheet

OPTIONAL MODELS/COLLETS:

See page 92

OPTIONAL ACCESSORIES

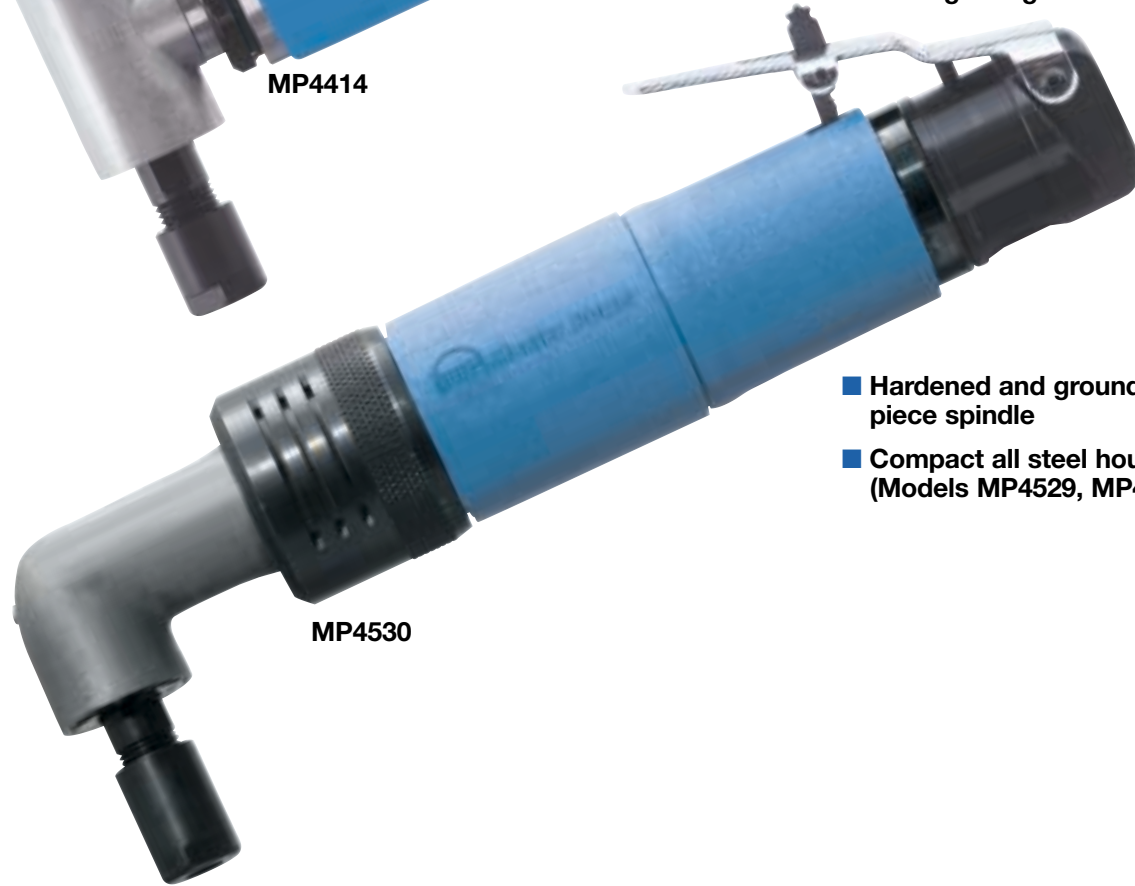
60538 Master Guard oil (4 oz.)
60539 Master Guard oil (1 qt.)
80180000 Overhose

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.





MP4414



MP4530

- Nominal Motor Power
.3 – .9 Hp
.22 – .67kw
- 15,000 - 23,000 RPM
- Front or rear exhaust
- 100% Ball bearing construction
- Full feathering throttle
(Model MP4414, MP4417)
- Exceptional long life with rugged, heat treated, precision gearing
- Extra long lasting, helical, spiral bevel gearing

- Hardened and ground one piece spindle
- Compact all steel housing
(Models MP4529, MP4530)

GRINDERS

Model Number	Exhaust	Max Free RPM	Hp.	Mounted Wheels	Carbide Bur	Length		Weight		Standard Collet
						in.	mm	lbs.	kg	
MP4414	Rear	23,000	.3	2"	1"	6.4	158	1.2	.52	1/4"
MP4417	Rear	12,000	.3	3"	1"	6.4	158	1.2	.52	1/4"
MP4529	Front	13,500	.9	3"	1"	9.3	235	2.7	1.2	1/4"
MP4530	Front	15,000	.9	32"	1"	9.3	235	2.7	1.2	1/4"

GENERAL

Air Inlet 1/4" NPT
Use 1/4" (6.4 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Collet Wrenches
Owners Manual
Parts List

OPTIONAL MODELS/COLLETS:

See page 92

OPTIONAL ACCESSORIES

Side Handle: 80170500
Overhose 80180000
Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

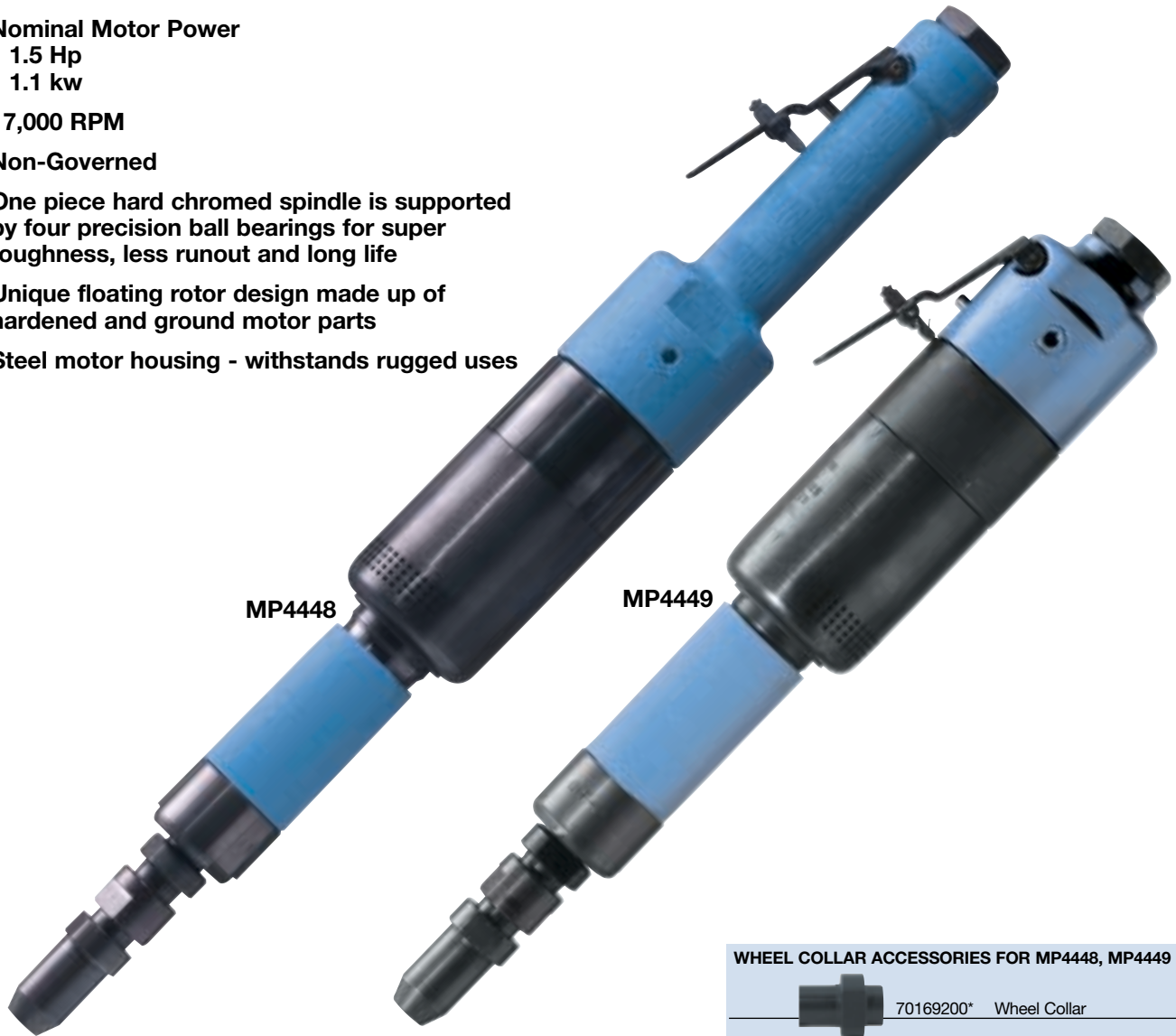
Refer to Page 4 for description of Rapid Select



Heavy Duty Die Grinders








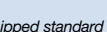
17,000 RPM

- **Nominal Motor Power**
1.5 Hp
1.1 kw
- **17,000 RPM**
- **Non-Governed**
- **One piece hard chromed spindle is supported by four precision ball bearings for super toughness, less runout and long life**
- **Unique floating rotor design made up of hardened and ground motor parts**
- **Steel motor housing - withstands rugged uses**





GRINDERS

WHEEL COLLAR ACCESSORIES FOR MP4448, MP4449

	70169200*	Wheel Collar
	70151200*	Collet Body, 1/4"
	70151300	Collet Body, 3/8"
	70149400*	Collet Sleeve
	70498100	Collet, 1/8"
	70498200	Collet, 1/4"
	70498300	Collet, 3/16"
	44004	Collet Chuck

* Shipped standard with tool

Model Number	Exhaust	Max Free RPM	Hp	Max Wheel Dia.	Sp. Projection in.	Side to Center in.	Length		Weight		Spindle Thread
							in.	mm.	lbs	kg	
 MP4448	Front	17,000	1.5	2 x 2 1/2"	.56	1.1	15.3	378	5.1	2.3	3/8"-24
MP4449	Front	17,000	1.5	2 x 2 1/2"	.56	1.1	10.6	270	4.1	1.8	3/8"-24

GENERAL	STANDARD EQUIPMENT	OPTIONAL ACCESSORIES
Air Inlet 3/8" NPT Use 3/8" (9.6 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure.	70169200 Wheel Collar 70151200 1/4" Collet Body 3865900 3/16" Wrench Owners Manual Parts Sheet	Tune-up kit, see page 76 Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.  Refer to Page 4 for description of Rapid Select



- **Nominal Motor Power**
.9 Hp
.67 kw
- **10,000 and 13,500 RPM**
- **Type 1 Cut-off and Type 27 Depressed Center Wheels**
- **Spiral beveled gears, cut and hardened, delivers maximum power**
- **Stainless steel right angle head resists wear in abrasive environments (MP4533, MP4534, MP4535, MP4536, MP4537)**
- **Compact all steel housing assures outstanding durability**
- **Floating, self centering rotor for smooth operation**
- **Safety lock-off throttle**
- **Full feathering throttle**
- **Vacuum pick-up guard standard on models MP4535 and MP4537**



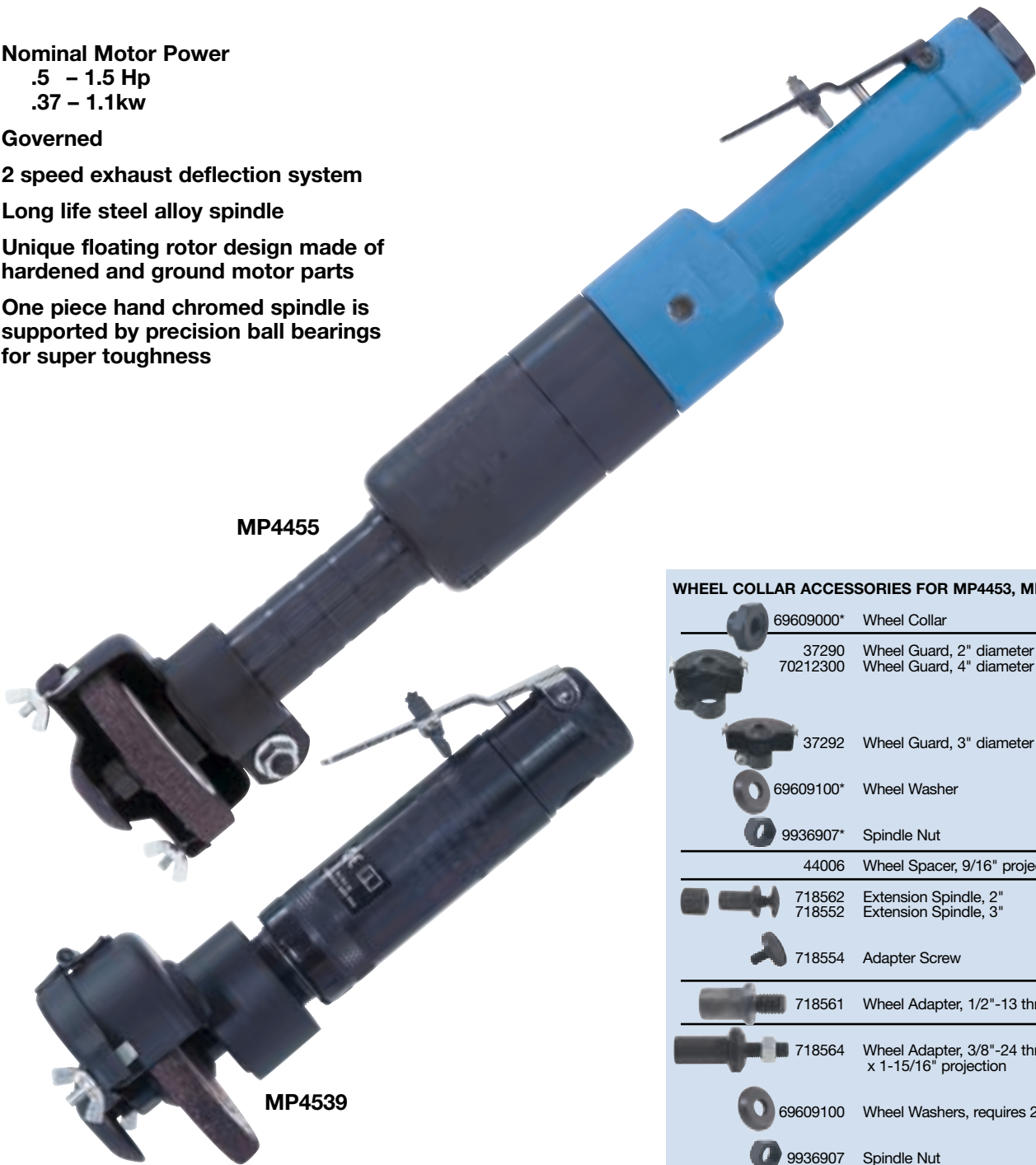
GRINDERS

Model Number	Exhaust	Max Free RPM	Hp	Wheel Capacity	Spindle Length		Head Height		Length		Nt. Weight w/Guard		Spindle Thread
					in.	mm	in.	mm	in.	mm	lbs.	kg	
Type 1 Cut-off Wheel													
MP4533	Front	10,000	.9	6"	1.0	26	2.6	66	9.3	235	3.6	1.7	5/8"-11
MP4535	Front	13,500	.9	4"	.60	14	1.6	40	9.3	235	3.4	1.6	3/8"-24
MP4537	Front	10,000	.9	4"	.60	14	1.6	40	9.3	235	3.4	1.6	3/8"-24
MP4552	Rear	13,500	.9	4"	.65	17	2.3	58	10.8	274	3.2	1.4	3/8"-24
Type 27 Depressed Center Wheel													
MP4534	Front	13,500	.9	4"	.80	21	1.6	40	9.3	235	3.2	1.5	3/8"-24
MP4536	Front	10,000	.9	4 1/2"	.70	27	1.6	40	9.3	235	3.6	1.7	5/8"-11
MP4542	Rear	13,500	.9	4"	.65	17	2.3	58	10.8	274	3.8	1.7	3/8"-24

<p>GENERAL Air Inlet 1/4" NPT Use 1/4" (6.4 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure.</p>	<p>STANDARD EQUIPMENT Owners Manual Parts Sheet Wheel Wrench</p> <p>OPTIONAL ACCESSORIES 60538 Master Guard oil (4 oz.) 60539 Master Guard oil (1 qt.) 22034 8' Hose Line Oiler</p>	<p>80170500 Side Handle 800493 Grease Gun Tune-up kit, see page 88 Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.</p> <p> Refer to Page 4 for description of Rapid Select</p>
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Type 1 Wheel Grinders

- Nominal Motor Power
.5 – 1.5 Hp
.37 – 1.1kw
- Governed
- 2 speed exhaust deflection system
- Long life steel alloy spindle
- Unique floating rotor design made of hardened and ground motor parts
- One piece hand chromed spindle is supported by precision ball bearings for super toughness



WHEEL COLLAR ACCESSORIES FOR MP4453, MP4455

	69609000*	Wheel Collar
	37290	Wheel Guard, 2" diameter
	70212300	Wheel Guard, 4" diameter
	37292	Wheel Guard, 3" diameter
	69609100*	Wheel Washer
	9936907*	Spindle Nut
	44006	Wheel Spacer, 9/16" projection
	718562	Extension Spindle, 2"
	718552	Extension Spindle, 3"
	718554	Adapter Screw
	718561	Wheel Adapter, 1/2"-13 thread
	718564	Wheel Adapter, 3/8"-24 thread x 1-15/16" projection
	69609100	Wheel Washers, requires 2
	9936907	Spindle Nut

Model Number	Exhaust	Max Free RPM	Hp	Max Wheel Dia.	Sp. Projection		Length		Weight		Spindle Thread
					in.	mm	in.	mm	lbs.	kg	
MP4539	Front	18,000	.5	3"	1.3	34	7.8	201	2.2	1.6	3/8"-24
MP4453	Front	12,000	1.5	3"	1.3	32	16.3	413	4.9	2.2	3/8"-24
MP4455	Front	9,000	1.5	3"	1.3	32	16.3	413	4.9	2.2	3/8"-24

GENERAL

Air Inlet 3/8" NPT
Use 3/8" (9.6 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

69609000 Wheel Collar
70212300 3" Wheel Guard
69609100 Wheel Washer
9936907 Spindle Nut
Wrench

Owners Manual

Parts sheet

OPTIONAL EQUIPMENT

Tune-up kit, see page 88

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.





MP4609



MP4618

- **Nominal Motor Power**
3.3 – 4.3 Hp
2.4 – 3.2 kw
- **Instant overspeed cut-off device**
- **Governor control is positive**
provides full cutting speed under load for maximum metal removal
- **Patented quick response**
overspeed sensor assures maximum safety against overspeed. Unit is tested for effectiveness and sealed during manufacturing
- **Spindle projection 5/16" (23.8 mm)**
- **Safety lock-off throttle** allows for instant release (MP4999)

GRINDERS

Model Number	Maximum Free RPM	Hp	Type 27 or 28 Wheel	Type 6 & 11 Wheel	Standard Guards		Height		Weight	
					Size	Accessory No.	in.	mm	lbs.	kg
MP4609	6000	3.3	7"	6"	7"	70169900	6.2	157	6.7	3.0
MP4611	7200	3.3	7"	–	7"	70169900	6.2	157	6.7	3.0
MP4612	6000	3.3	9"	6"	9"	70151500	6.2	157	6.7	3.0
MP4618	6000	4.3	–	6"	6"	70180300	7.2	183	8.4	3.8
MP4999	6000	3.3	7"	6"	7"	70169900	6.2	157	6.7	3.0

GENERAL

Air Inlet 1/2" NPT
Use 1/2" (12.7 mm) I.D. hose
All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

Guard
Wheel Wrench
Owners Manual
Parts Sheet

OPTIONAL ACCESSORIES

718828 Depressed Center Wheel adapter kit
Optional Guards, see page 72
Tune-up kit, see page 84
Variations of the tools called "Special Requests" can be found and ordered from pages 86-87.
 Refer to Page 4 for description of Rapid Select



Accessories

Abrasives

CLOTH DISCS & BACK-UP PADS

Used on MP4414, MP4417, MP4529, MP4530

Ideal for all maintenance and repair applications, from medium grinding to light deburring. High performance, especially on exotic and heat-sensitive metals. Good for light to medium pressure grinding, blending, leveling & finishing applications, and on contours or flat surfaces.

- Grinding aid coating, for long life, burn-free grinding of heat sensitive materials, and minimized loading.
- Heavy Y-wt backing extends durability, and reduces edge-wear.
- Speed-Lok fasteners allow quick, tool free changes for more grinding time.
- TR disc has a rubber threaded hub.



SPEED-LOK TR CLOTH DISCS

Part No.	Abrasive	Diameter	Grit
70465400	Alum. Oxide	1-1/2"	60
70465500	Alum. Oxide	1-1/2"	80
70465600	Alum. Oxide	1-1/2"	120
70465700	Alum. Oxide	2"	60
70465800	Alum. Oxide	2"	80
70465900	Alum. Oxide	2"	120
70466000	Alum. Oxide	3"	60
70466100	Alum. Oxide	3"	80
70466200	Alum. Oxide	3"	120

SPEED-LOK TR BACK UP PADS

Part No.	Description	Max. RPM	Used On
70465100	1-1/2" Med.	30,000	MP4414, MP4417, MP4529, MP4530
70465200	2" Medium	25,000	MP4414, MP4417, MP4529, MP4530
70465300	3" Medium	20,000	MP4417, MP4529, MP4530

GRINDERS



FLAP WHEELS

Used on MP4414, MP4417, MP4418, MP4419, MP4420

Newly designed to deliver a consistent finish with a uniform rate of cut, flap wheels wear away, continually exposing fresh abrasive. Used for metal fabrication, deburring, blending welds, cleaning and finishing.

- Metalite, P-graded R265 material provides uniform stock removal and long life.
- Excellent balance for a smooth, chatter free finish.

Part No.	Size		Shank Dimensions		Grit	RPM
	Dia.	Face Width	Dia.	Length		
70464500	1"	1"	1/4"	1-1/4"	80	30,000
70464600	1"	1"	1/4"	1-1/4"	120	30,000
70464700	1"	1"	1/4"	1-1/4"	180	30,000
70464800	2"	1"	1/4"	1-1/4"	80	23,000
70464900	2"	1"	1/4"	1-1/4"	120	23,000
70465000	2"	1"	1/4"	1-1/4"	180	23,000

OPTIONAL GUARDS



For use on Model Number	Optional Guards			
	7" For TP27 & 28 Wheels	7" For TP27 & 28 Threaded Wheels	5" & 6" Skirt Guard For TP6 & 11 Wheels	Low Profile 9" For TP27 Wheels Only
MP4609	70169900	37270	70180300 (6")	37271
MP4611	70169900	37270	37260 (5")	37271
MP4612	70169900	37270	70180300 (6")	37271
MP4618	70169900	37270	70180300 (6")	37271
MP4999	70169900	37270	70180300 (6")	37271



MOUNTED POINTS

Used on MP4413, MP4414, MP4417, MP4418, MP4419, MP4420, MP4421, MP4440, MP4445, & MP4448

Pacesetter can be used for deburring, and tool sharpening, finishing cavities, and removing mold marks and parting lines.

Charger can be used for removal of weld beads, and smoothing and blending of welded areas.

Foundry can be used for snagging castings, smoothing contours, and removing fins and parting lines.

Pacesetter®, Foundry

- Aluminum oxide abrasive is exceedingly strong and durable for excellent holding, and cool cutting.

Charger™

- Specially formulated organic bond.
- 5X greater life than ordinary aluminum oxide.
- Reduces vibration and wheel chatter.



Part No.	Description	Abrasive	Grit/ Grade	Cutter Dim.		Shank Dim.		Shape	Max RPM *
				Dia.	Thickness	Dia.	Length		
70464100	Pacesetter	Aluminum Oxide	60 Medium	3/4"	2-1/2"	1/4"	1-1/2"	A1	19,800
70464200	Pacesetter	Aluminum Oxide	60 Medium	1-1/4"	1-1/4"	1/4"	1-1/2"	A4	30,560
70464300	Charger	Zirconia Alumina	30 Medium	3/4"	1-1/8"	1/4"	1-1/2"	A5	45,000
70464400	Foundry	Aluminum Oxide	36 Medium	11/16"	1-1/4"	1/4"	1-1/2"	A12	48,000

Part No.	Used On
70464100	MP4417, MP4418, MP4448, MP4449
70464200	all models
70464300	all models
70464400	all models



SPEED-LOK FIBRE DISCS

Used on MP4901

- Quick, tool-free disc changes allow for more grinding time with Speed-Lok fastener.
- Disc locks securely to back-up pad, but is easily removed, just twist on and off in 2-1/2 turns.

BACK-UP PAD FOR SPEED-LOK FIBRE DISC

Used on MP4609, MP4611, MP4612, MP4901

- Designed for use with 7" Speed-Lok discs.
- Molded rubber back-up pads provide quick-change convenience.
- Medium density pad for all-purpose applications.



SPEED-LOK FIBRE DISCS

Part No.	Size	Grit
70471100	7"x7/8"	80
70471200	7"x7/8"	120



BACK-UP PAD FOR SPEED-LOK FIBRE DISC

Part No.	Description	Max RPM
70470200	7"x5/8"-11 Med.	7500

Note: Avos®, Bear-Tex®, Charger™, Metalite®, Norzon®, & Pacesetter® are registered trademarks of Norton Company. Finesse-it™, Scotch-Brite™, & Wetodry™ are registered trademarks of 3M Company.

WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90 psi (620 kPa). Follow cutting tool manufacturer's mounting & operating instructions.



It is the user's responsibility to refer and comply with ANSI B7.1

Accessories

Abrasives

BEAR-TEX® SURFACE FINISHING SCF DISCS & BACK-UP PADS

Used on MP4414, MP4417, MP4529, MP4530, MP4901, MP4904, MP4905, MP4906

Used for removing surface defects, and light edge burrs, parting lines or flashing, cleaning molds, and blending mill marks, tool marks or uneven edges.

- Flexible and comfortable, and conforms easily to workpiece.
- Tough reinforced nylon web eliminates edge fraying and grain shedding.
- Uniform, thorough abrasive coating provides a consistent finish.
- Open construction resists loading.
- Easy identification with three color-coded grit sizes available.
- Quick replacement, easy on and off discs - hook and loop system.



Part No.	Size	Abrasive	Grit	Color	Recommended Use
Surface Blending SCF Discs with Speed-Lok® TR Feature					
70466300	2"	Aluminum Oxide	Coarse, 60-120	Brown	Deburring
70466400	2"	Aluminum Oxide	Medium, 120-180	Maroon	Cleaning/ Blending
70466500	2"	Aluminum Oxide	Very Fine, 180-320	Blue	Finishing
70466600	3"	Aluminum Oxide	Coarse, 60-120	Brown	Deburring
70466700	3"	Aluminum Oxide	Medium, 120-180	Maroon	Cleaning/ Blending
70466800	3"	Aluminum Oxide	Very Fine, 180-320	Blue	Finishing
Surface Blending SCF Discs With Hook and Loop Fastening System					
70470500	7" Blank	Aluminum Oxide	Coarse, 60-120	Brown	Deburring
70470600	7" Blank	Aluminum Oxide	Medium, 120-180	Maroon	Cleaning/ Blending
70470700	7" Blank	Aluminum Oxide	Very Fine, 180-320	Blue	Finishing
70470800	8" Blank	Aluminum Oxide	Coarse, 60-120	Brown	Deburring
70470900	8" Blank	Aluminum Oxide	Medium, 120-180	Maroon	Cleaning/ Blending
70471000	8" Blank	Aluminum Oxide	Very Fine, 180-320	Blue	Finishing

GRINDERS

SPEED-LOK® TR BACK UP PADS FOR SURFACE BLENDING SCF DISCS

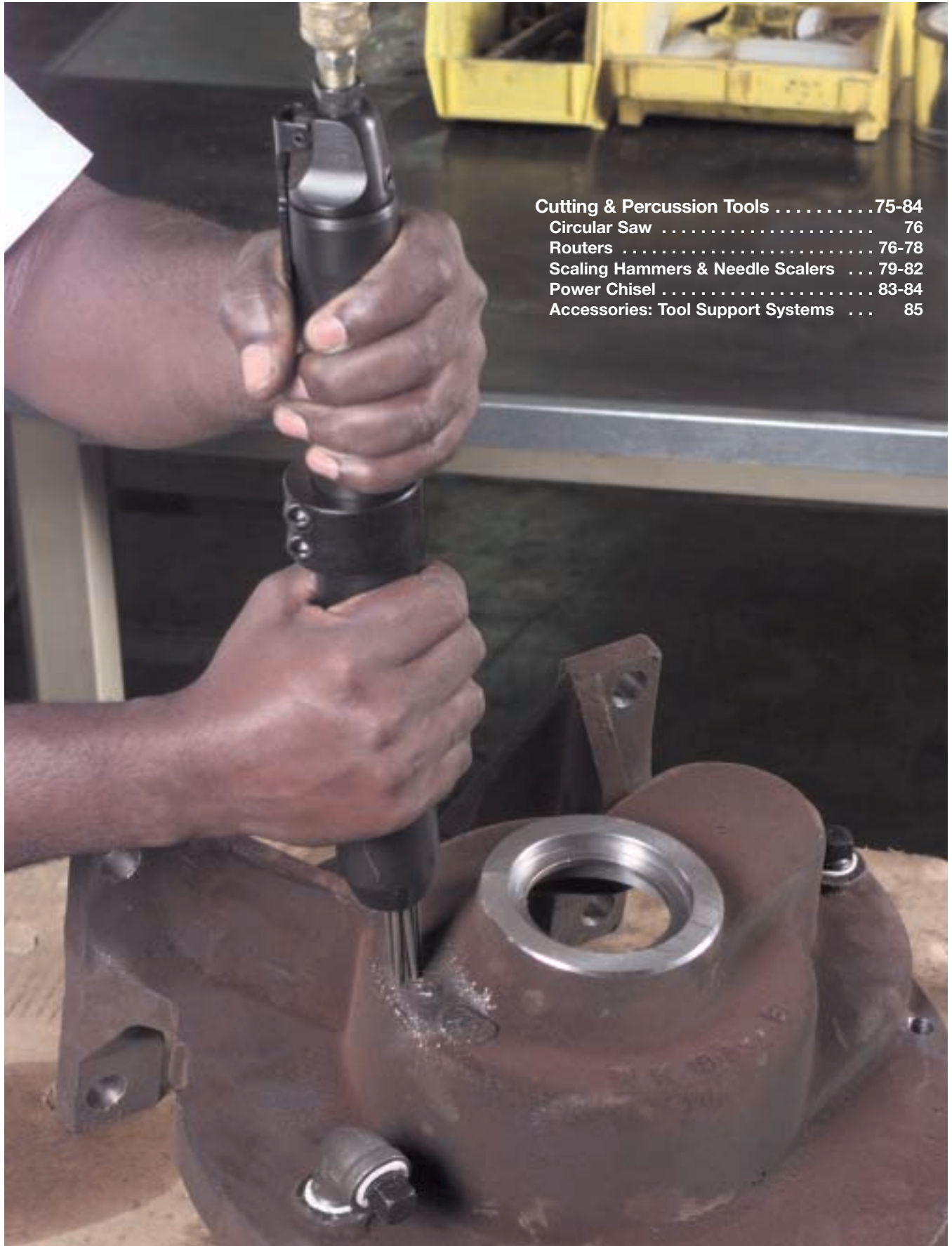
Part No.	Description	Max. RPM	Used On
70465200	2" Medium	25,000	MP4414, MP4417, MP4529, MP4530
70465300	3" Medium	20,000	MP4414, MP4417, MP4529, MP4530



SPEED-LOK® TR BACK UP PADS

Part No.	Pad Diameter	Spindle/ Hole Size	Max RPM	Used On
70470300	7"	5/8-11	6000	MP4901, MP4904, MP4905, MP4906
70470400	8"	5/8-11	4500	MP4904, MP4905, MP4906





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Cutting Tools

Circular Saw & Routers

CIRCULAR SAW

- **Nominal Motor Power**
3.3 Hp
2.5 kw
- **6000 RPM**
- **Direct drive. No gears to strip out**
- **No stall kick back**
- **Safety lock off throttle to prevent accidental startups**
- **Pivoting upper and telescoping lower guard for maximum protection**
- **Built in oiler and muffler**
- **Guide line and depth of cut scale clearly visible**
- **Specifications: All tools on this page meet applicable OSHA standards**



Model Number	Max. Free RPM	Max. Blade Size	Depth of Cut		Length		Width		Weight Less Blade	
			90° - in.	45° - in.	in.	mm	in.	mm	lbs.	kg
MP3056	6000	8 1/4" x 5/8"	2.75	2.2	14.5	368	8.1	206	12.8	5.8

<p>GENERAL Air Inlet 1/2" NPT Use 1/2" (12.7 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure. Duty Rating Continuous</p>	<p>STANDARD EQUIPMENT Rip fence Owners manual Parts sheet Blade wrench</p>	<p>OPTIONAL EQUIPMENT 60538 Master Guard oil (4 oz.) 60539 Master Guard oil (1 qt.) Tune up kit, see page 88. Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.</p> <p> Refer to Page 4 for description of Rapid Select</p>
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ROUTERS

- **Nominal Motor Power**
.5 – .9 Hp
.37 – .67 kw
- **Ideal for laminate trimming**
- **Solid Steel, three bearing motor housing**
- **100% Ball Bearing Construction**
- **Fine thread shoe adjustment for precise depth control**



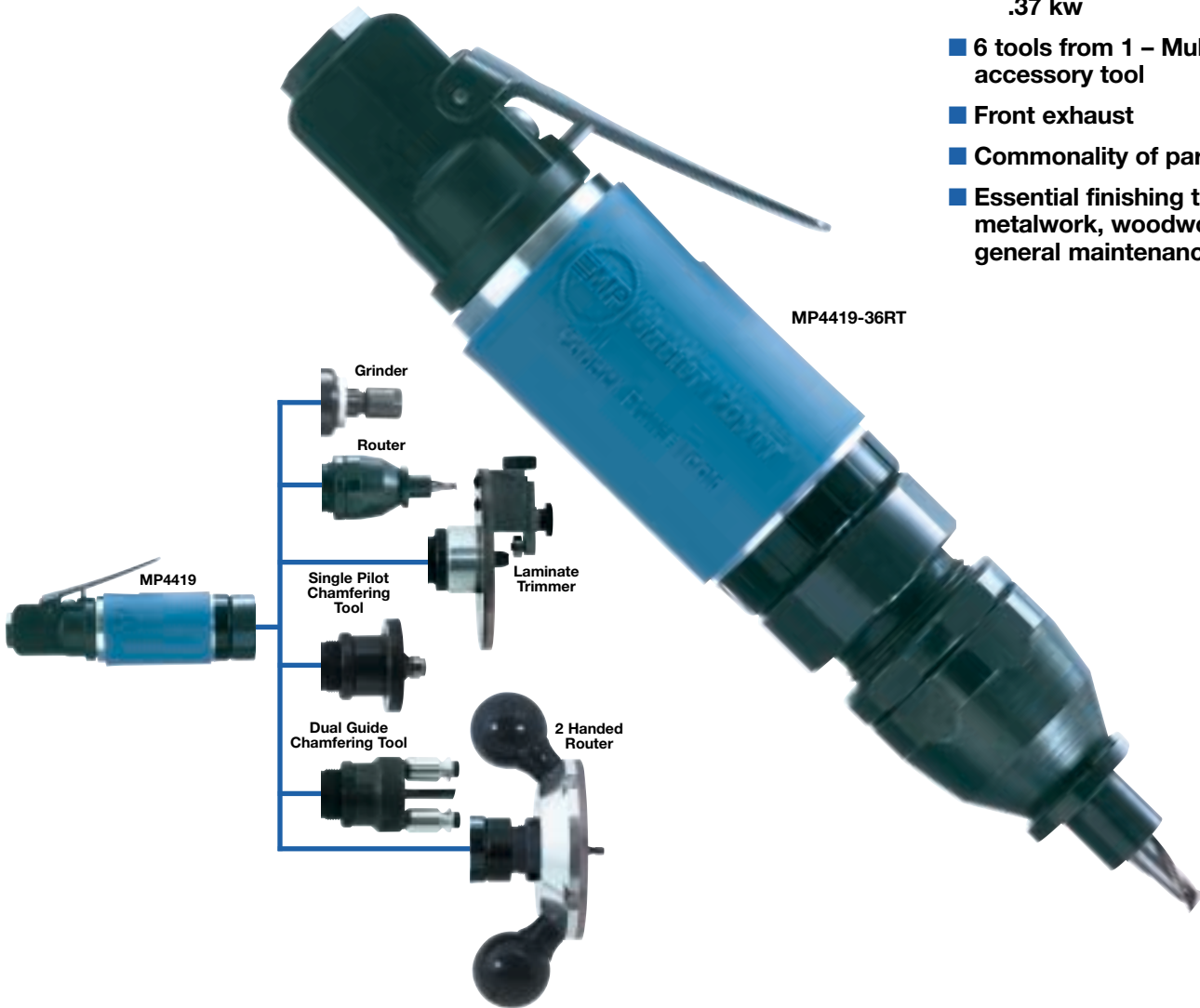
Model Number	Exhaust	Max Free RPM	Hp	Cutter Shank Diameter	Length		Weight		Std. Collet
					in.	mm	lb	kg	
MP4721	Rear	23,000	.5	1/4"	7	182	2.1	.96	1/4"
MP4734	Rear	18,000	.9	3/8"	8.5	218	2.4	1.09	3/8"

<p>GENERAL Air Inlet 1/4" NPT Use 1/4" (6.4 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure.</p>	<p>STANDARD EQUIPMENT MP4721: 70497800 1/4" 200 Series Collet MP4734: 70498600 3/8" 200 Series Collet 2028500 Wrench Owners Manual Parts List</p>	<p>OPTIONAL EQUIPMENT 44007 4" base Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.</p> <p> Refer to Page 4 for description of Rapid Select</p>
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- **Nominal Motor Power**
5 Hp
.37 kw
- **6 tools from 1 – Multi-purpose accessory tool**
- **Front exhaust**
- **Commonality of parts**
- **Essential finishing tool for metalwork, woodworking and general maintenance**

MP4419-36RT



Model Number	Exhaust	Max Free RPM	Hp	Cutter Shank Diameter	Length		Weight		Std. Collet
					in.	mm	lb	kg	
Grinder									
MP4419	Front	23,000	0.5	–	6.4	160	0.8	0.36	1/4"
Router									
MP4419-36RT	Front	23,000	0.5	1/4"	7.4	188	1.2	0.54	1/4"
Laminate Trimmer									
MP4419-36LT	Front	23,000	0.5	1/4"	8.0	203	1.4	0.63	1/4"
Single Pilot Chamfering Tool									
MP4419-36CS	Front	23,000	0.5	1/4"	6.8	173	1.25	0.57	1/4"
Dual Guide Chamfering Tool									
MP4419-36CD	Front	23,000	0.5	1/4"	8.3	211	1.4	0.63	1/4"
Router with 2 Handed Router Base Attachment									
MP4419-36RB	Front	23,000	0.5	1/4"	7.0	178	2.1	0.95	1/4"

GENERAL Air Inlet 1/4" NPT Use 1/4" (6.4 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure.	STANDARD EQUIPMENT Collet, applicable wrenches Owners Manual Parts List	OPTIONAL EQUIPMENT Refer to page 78 for router assembly, router guides and other accessories.
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Routers

Accessories

ROUTER ASSEMBLY

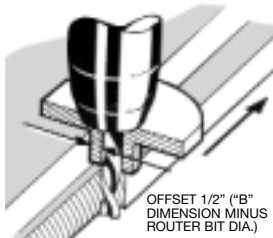
For use with Master Power 4419.



70499200

Series	Cutter Shank Capacity	Part Number					
		Complete Attachment	Nose Housing*	Bearing	Ring	Lock Nut	Router Housing
MP4419	1/4"	70499200	70499300	70499400	70499500	70499600	70499700

ROUTER GUIDES



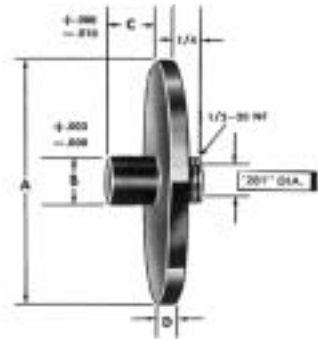
For use on MP4419

The minimum router bit length (OAL) to be used is determined by the formula:

$OAL = 1-13/16" + C + P$; "C" is the "C" dimension of the router guide and "P" is the desired protrusion of the router bit.

Important: Insert bit into collet as far as possible, then pull out 1/16" and tighten collet.

IN AN EMERGENCY, if it is necessary to pull out the bit more than 1/4", be sure to insert a short length of blank shank (not to exceed 5/8" long) in the bottom of the collet before inserting the bit.



Part Number	Dimensions (in.)			
	A	B	C	D
For Router Bits with 1/4" Shanks				
70500400	3/4	3/8	1/2	1/8
70500500	1	3/8	1/8	1/8
70500600	1	3/8	1/4	1/8
70500700	1	3/8	3/8	1/8
70500800	1	7/16	1/8	1/8
70502000	1	7/16	1/4	1/8
70502100	1	7/16	3/8	1/8
70502200	1	1/2	1/4	1/8
70502300	1	1/2	1/2	1/8
70502400	1	1/2	5/8	1/8
70502500	1	1/2	3/4	1/8
70502600	1	9/16	1/8	1/8

Part Number	Dimensions (in.)			
	A	B	C	D
For Router Bits with 1/4" Shanks				
70502700	1	5/8	1/8	1/8
70502800	1	5/8	5/8	1/8
70502900	1 1/2	3/8	1/8	1/8
70503000	1 1/2	3/8	1/4	1/8
70503400	1 1/2	3/8	3/8	1/8
70503500	1 1/2	7/16	1/8	1/8
70503600	1 1/2	7/16	1/4	1/8
70503700	1 1/2	7/16	3/8	1/8
70503800	1 1/2	1/2	1/4	1/8
70504000	1 1/2	1/2	3/8	1/8
70504100	1 1/2	1/2	1/2	1/8
70504300	2 1/2	1/2	1/2	3/16



70504400

TWO HANDED ROUTER BASE USE WITH FRONT OR REAR EXHAUST COLLET MODELS.

Two handed control for router applications.
Easy depth adjustment.

Part Number	Series
70504400	MP4419



70504500

LAMINATE TRIMMER ATTACHMENT

Part Number	Series
70504500	MP4419



SCALING HAMMERS

- 4600 Blows per minute
- Quick change retainer accepts 1/2" diameter round, notched and flattened chisel shanks
- Critical operating parts, piston and bit retainer are made of long wearing tool steel
- Quick change retainer provides greater versatility: permits 4-way chisel positioning
- Valve housing protected through built-in filtering screen of inlet bushing
- Round retainer nose (MP5173)



CUTTING & PERCUSSION

Model Number	Throttle Handle	Blows Per Minute	Bore		Stroke		Side to Center		Length		Weight	
			in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
MP5173	Lever	4600	1	25	1.1	29	.78	20	9.4	238	3.7	1.6
MP5174	Push	4600	1	25	1.1	29	.78	20	10.6	270	4.0	1.8

<p>GENERAL Air Inlet 1/4" NPT Use 1/4" (9.6 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure.</p>	<p>STANDARD EQUIPMENT Owners manual Parts sheet</p>	<p>Variations of the tools called "Special Requests" can be found and ordered from pages 90-92. Refer to page 81 for information on chisels.</p> <p> Refer to Page 4 for description of Rapid Select</p>
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WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1. Cutting tool maximum speed rating must be equal or exceed speed of air tool @ 90 psi (620 kPa). Follow cutting tool manufacturer's mounting & operating instructions.

It is the user's responsibility to refer and comply with ANSI B7.1

Scaling Hammers & Needle Scalers

- 2200 - 4600 Blows per minute
- Critical operating parts, piston and bit retainer are made of long wearing tool steel
- Valve housing protected through built-in filtering screen of inlet bushing
- Extremely versatile. Converts to a scaling hammer by removing retainer barrel and drive anvil. (Model MP5177)
- Round retainer nose (MP5177 and MP5178)
- Adjustable housing (MP5177 and MP5178). Delivers maximum needle utilization.



Model Number	Throttle Handle	Blows Per Minute	Bore		Stroke		Side to Center		Length		Weight	
			in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
MP5177	Lever	4600	1	25	1.1	29	.9	22	17.2	437	5.9	2.7
MP5178	Lever	4600	1	25	1.1	29	.9	22	17.2	437	5.9	2.7
MP5191	Lever	2200	1.1	29	1.5	39	.9	22	14.8	375	5.7	2.6
MP5193	Pistol	2200	1.1	29	1.5	39	.9	29	18.4	465	8.4	3.8

GENERAL

Air Inlet 1/4" NPT
 Use 1/4" (9.6 mm) I.D. hose
 All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT

MODEL MP5177

1 - 5173 Scaler
 1 - 51710 Needle scaler attachment, round nose
 1 set 19 - Round needle
 Allen wrench

Owners manual
 Parts sheet

MODEL MP5191

1 set 19 - 3mm chisel tip needles
 Rectangular nose
 Allen key
 1 - 3mm needle holder
 Owners manual
 Parts sheet

MODEL MP5193

1 set 28 - 3 mm chisel tip needles

1 - 3 mm needle holder
 All other items as in Models MP5191

MODEL MP5178

1 set 19 - Round needles
 Allen key
 Owners manual
 Parts sheet

OPTIONAL EQUIPMENT

Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.





KITS

Model Number	Throttle Handle	Blows Per Minute	Bore		Stroke		Side to Center		Length		Weight	
			in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
MP5192 (Kit)	Lever	2200	1.1	29	1.5	39	.9	22	14.9	38	22.7	10.3
MP5194 (Kit)	Pistol	2200	1.1	29	1.5	39	1.1	29	18.4	47	25.5	11.6

STANDARD EQUIPMENT MODEL MP5192 NEEDLE SCALER KIT	MODEL MP5194 NEEDLE SCALER KIT
1 - No. MP5191 needle scaler 1 set 19 - 3mm chisel tip needles 1 set 51 - 2 mm flat needles 1 set 19 - 3mm pointed chisels 1 Extra anvil 13 mm needle holder 12 mm needle holder	1 - No. MP5193 needle scaler 1 set 28 - 3mm chisel tip needles 1 set 65 - 2mm flat needles 1 set 28 - 3mm pointed needles 12 mm needle holder 13 mm needle holder Round front tube
Round front tube Chisel holder 3 chisels Allen key Carrying case Owners manual Parts sheet	Chisel holder 3 chisels Allen key Carrying case Owners manual Parts sheet

ACCESSORIES

Model Number	Description
MP5173, MP5174	
51710	Needle scaler attachment with 1 set of 19-3 mm round needles
MP5177	
51700	1 set of 19-3 mm round needles
5171	5 sets of 51-2 mm x 7", flat tip needles
51712	5 sets of 19-3 mm x 7", flat tip needles
51713	5 sets of 19-3 mm x 7", chisel tip needles
51714	5 sets of 19-3 mm x 7 in., pointed tip needles
MP5191	
51730	Needle holder for 2 mm needles
51735	Needle holder for 3 mm needles
51734	Tube, round front
MP5193	
51715	5 sets of 65-2 mm x 7", flat tip needles
51716	5 sets of 28-3 mm x 7", flat tip needles
51717	5 sets of 28-3 mm x 7", chisel tip needles
51718	5 sets of 28-3 mm x 7", pointed tip needles
51719	5 sets of 19-4 mm x 7", flat tip needles

Model Number	Description
51720	5 sets of 19-4 mm x 7", chisel tip needles
51731	Needle holder for 2 mm needles
51732	Needle holder for 4 mm needles
51736	Needle holder for 3 mm needles
51749	4" non-spark chisel
800547	Chisel holder
Non Sparking Naval Bronze Needle Scalers for MP5195	
51737	5 sets of 19-3 mm x 7", flat tip
51738	5 sets of 28-3 mm x 7", flat tip

Model Number	Description	Length		Point Size
		in.	mm	
Non-Rotating Scaling Hammer Chisels for Models MP5173, MP5174 & MP5177, 1/2" diameter shank				
718479	Chisel Blank	7.5	190.5	5/8"
718480	Angle Chisel	7.5	190.5	1 3/8"
718481	Flat Chisel	7.5	190.5	1 3/8"
718482	Flat Chisel	8	203.2	3/4"

CUTTING & PERCUSSION



Scalers

Long Reach & Triple Piston

MP5195 LONG REACH SCALER

- 2200 Blows per minute
- For rugged scaling applications
- Long reach scaler design for quick and easy stripping of dirt, grease, paint, glue, resins, floor coverings and tiles
- Full Range of chisel blades

MP5195



MP5197

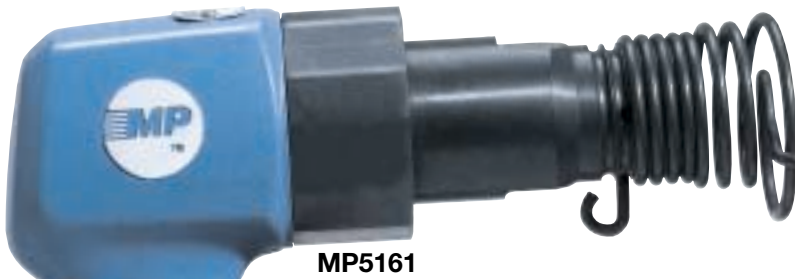
MP5197 PISTON SCALER

- 3300 Blows per minute
- For rugged scaling applications
- Removable tips - without removing piston
- Handle can be moved for in-line operation
- Self cleaning piston sleeves for extended piston life

Model Number	Blows per Minute	Piston Diameter		Piston Stroke		Length		Net Weight	
		in.	mm	in.	mm	in	mm	lbs.	kg
MP5195	2200	1.1	29	1.5	39	60.0	1524	11.5	5.2
MP5197	3300	1.1	27	.89	26	19.1	485	8.0	3.6

GENERAL Air Inlet 1/4" NPT for MP5195 Model Use 1/4" (9.6 mm) I.D. hose Air Inlet 1/2" NPT for MP5197 Model Use 1/2" (12.7 mm) I.D. hose All tools performance rated @ 90psi (620 kPa) air pressure.	MP5197 80057000 Side handle 80054900 Tungsten carbide tips Owners manual Parts list	51745 2" alum. bronze non-spark pack 51746 8" replacement blade for 51743 8" scraper 51747 12" replacement blade for 51744 12" scraper
	OPTIONAL ACCESSORIES MP5195 51741 4" chisel, 5/8 hex 51742 2" chisel, 5/8 hex 51743 8" scraper w/replaceable blade 51744 12" scraper w/replaceable blade	51748 Needle attachment kit 51749 4" non spark chisel MP5197 51751 Non spark replacement tip Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.
STANDARD EQUIPMENT MP5195 51741 4" 5/8 hex chisel Owners manual Parts list		





- 3,000 - 4,000 blows per minute
- Rated for continuous production use
- Precision feathering throttle for positive bit control
- 360° exhaust deflector. No blow back of chips, air, dust
- Patented interlock quick-change spring holds bits securely, permits easy, quick bit changes
- Replaceable steel nose bushing saves on cost of replacing complete barrel (MP5164 and MP5168)
- Side to center 13/32" (27.8mm)

MP5168 Kit



Model Number	Blows Per Minute	Bore		Stroke		Length		Net Weight	
		in.	mm	in.	mm	in.	mm	lbs.	kg
MP5161	4000	.75	19	1.9	49	7.0	178	3.4	1.5
MP5164	3000	.75	19	2.7	68	8.1	206	4.0	1.8
MP5168	3000	.75	19	2.7	68	8.1	206	9.0	4.1

GENERAL

Air Inlet 1/4" NPT
 Use 1/4" (6.4 mm) I.D. hose
 All tools performance rated @ 90psi (620 kPa) air pressure.

STANDARD EQUIPMENT MODELS MP5161 AND MP5164

5861600 Quick change spring
 Owners manual
 Parts sheet

MODEL MP5168 CHISEL KIT

MP5164 Power Chisel
 5861600 Quick change spring
 9253900 Undercoat scraper
 9253500 Sheet metal cutter
 9254000 Tapered punch
 9254500 9" Flat Chisel
 9254600 Chisel blank
 51612 Quick change retainer for standard and non-rotating bits

Owners manual
 Parts sheet

OPTIONAL EQUIPMENT

51612 Quick change retainer for standard and non-rotating bits.
 Variations of the tools called "Special Requests" can be found and ordered from pages 90-92.

Refer to Page 4 for description of Rapid Select

CUTTING & PERCUSSION



Power Chisel

Accessories

Model Number	Description	Length		Point Size	
		in.	mm	in.	mm

Rotating Chisel Bits for MP5161, MP5164 & MP5163 Standard .401" (70.79mm) diameter shank

9253500	Sheet Metal Cutter	6.0	152	3/4	19
9253600	Panel Cutter	6.0	152	5/8	16
9253800	Rivet Cutter	6.0	152	5/8	16
9253900	Undercoat Scraper	7.5	191	1 5/32	29
9254000	Tapered Punch	6.0	152	1/8 Dia.	3.2
9254200	Spot Weld Breaker	7.0	178	1 5/16	33
9254300	Nut & Bolt Cutter	4.5	114	3/4	19
9254400	Nut & Bolt Cutter	6.3	159	3/4	19
9254500	Nut & Bolt Cutter	9.0	203	3/4	19
9254600	Chisel Blank	6.0	152	1/2	13
9255100	Tail Pipe Cutter	6.0	152	1 5/16	33
8013100	2" Non Spark	7.5	190.5	2	50.8

(Non-Rotating) Bits for MP5161, MP5164 & MP5168 Standard .401" (70.79mm) diameter shank

51653	Panel Cutter	6.0	152	3/4	19
51654	Ripper	6.5	165	5/8	16
51656	Panel Cutter	7.0	178	15/16	24
51657	Taper Punch	7.0	178	1/8 Dia.	3.2

OPTIONAL ACCESSORIES

60538 Master Guard oil (4 oz.)

60539 Master Guard oil (1 qt.)

63593 8' Hose whip

22034 Hose line oiler

55533 Bee Hive spring

5861600 Quick change spring

51612 Quick change retainer for standard and non-rotating bits

NOTE: () denotes non-rotating bits



9253500, (51656)



9253600, (51654)



9253800



9253900



9254000, (51657)



9254200



9254300



9254400



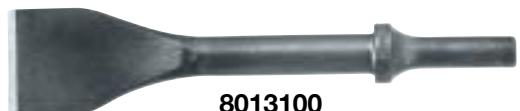
9254500



9254600



9255100



8013100



(51653)





719994

TOOL SUPPORT SYSTEMS

- Reduce operator fatigue
- Avoid damage to assembly components
- Eliminate air hose clutter and tangles
- Increases work place safety
- Allows fast tool change without special tools
- 3" sq. mounting base

Model Number	Description	Boom Length		Overall Height	
		in.	mm	in.	mm.
719974	Tool Support Arm	18	457	37	940
719975	Tool Support Arm	24	610	37	940
719976	Tool Support Arm	30	762	37	940

STANDARD EQUIPMENT	OPTIONAL ACCESSORIES
5 lb. capacity balancer	(Tool Support Arm)
Quick disconnect coupling	719977 18" (457.2 mm)
10' coil hose with adapter	719978 24" (609.6 mm)
6' hose whip 1/4"	719979 30" (762.0 mm)
4 mounting screws	719980 balancer (5 lb. capacity)



TORQUE REACTION ARM

- Adapts to Tool Support Systems
- Telescoping unit provides complete freedom of movement
- Adapts easily to Master Power Tool Support Arm
- Eliminates torque reaction up to 200 lbs.
- Easy to assemble – no tools required

Model Number	Fits Boom Length		Arm Length		Reach	
	in.	mm	in.	mm	Min.	Max.
719990	18	457	17	432	9.0 - 25	229 - 635
719991	24	610	22	559	10 - 37	254 - 940
719992	30	762	28	711	16 - 49	406 - 1245

STANDARD EQUIPMENT
Parts Sheet





Quality Fastener Tools

For more than half a century Apex has maintained the position of world leader in industrial fastener tools. Many power and insert bits, socket combinations and other drivers/adapters pioneered by Apex have today become industry standards, while Apex quality, service and selection give you unsurpassed value.

More Quality For Your Money

Apex quality starts with the selection of raw materials. Only carefully chosen, high grade tool steel is used to make Apex industrial fastener tools. Next, each tool is precision machined from solid bar stock to exacting standards of accuracy. You always get a snug, secure fit – a fit not possible from stamped tools.

Finally, each Apex fastener tool is tempered with our exclusive heat treating process.

During this step the degree of hardness is determined based upon the application.

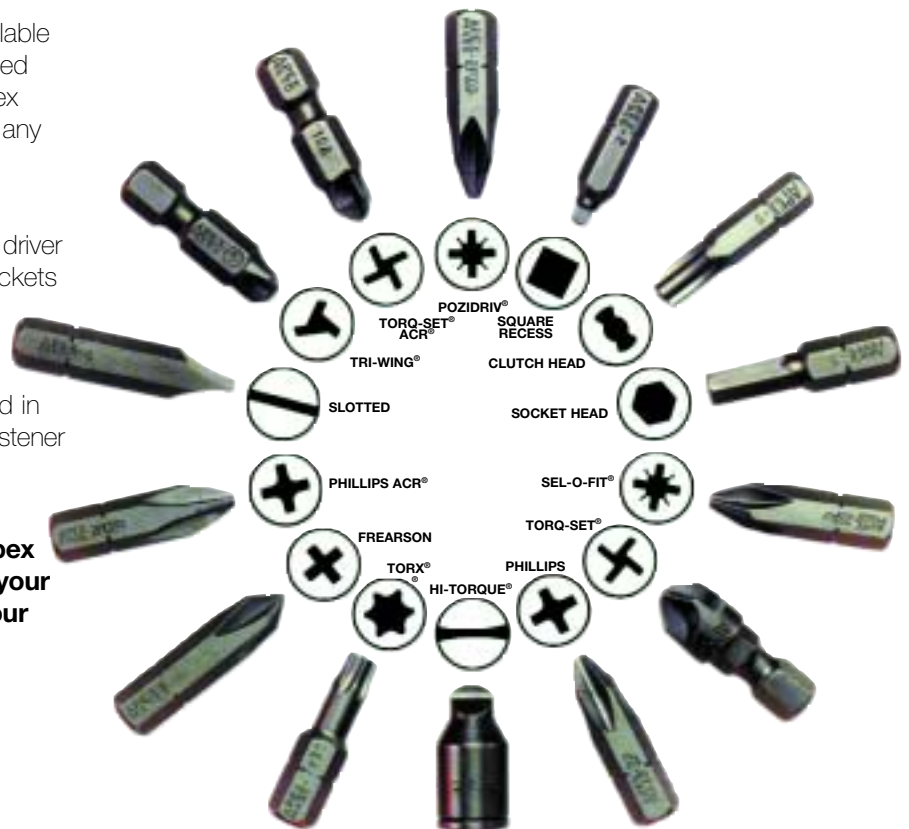
Fast Delivery

All Apex Rapid Select catalog items are available off-the-shelf for immediate delivery. If you need special assistance with your order, your Apex manufacturer's representative can help with any questions that you may have.

Special Orders

Apex offers the broadest selection of screw driver and nut runner tools available, from bits, sockets and universal wrenches to extensions, adapters and nut setters. If you have a special application, contact your Apex representative. We may have what you need in stock, or can design and produce special fastener tools for almost any application.

For a catalog of the complete line of Apex Quality Fastener Tools, please contact your local Apex Distributor or you can visit our website at www.apex-tools.com.

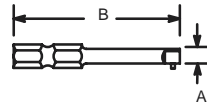


Registered Trade Marks: HI-TORQUE, Voi-Shan; TORX, Camcar Division of Textron; ACR, POZIDRIV, TORQ-SET and TRI-WING, Phillips International Co.; SUPADRIV, EIS (Fasteners) LTD.; SEL-O-FIT, FLIP-TIP, and Apex, Cooper Industries, CooperTools Division, Apex Operation.



Square Drive Adapter

(1/4" hex drive sockets) Use with Quick Change and Bit & Finder Models, except as noted.



Part Number	"A" Sq. Drive	"B"		Bushings Number
		In.	mm	
EX-250-2	1/4	2.00	50.8	-
EX-250-3	1/4	3.00	76.2	847295*
EX-250-4	1/4	4.00	101.6	-
EX-250-6	1/4	6.00	152.4	-
EX-370	3/8	1.63	41.3	-
EX-370-3	3/8	3.00	76.2	847295*
EX-500-2	1/2	2.00	50.8	-
EX-500-3	1/2	3.00	76.2	-

* Note: Required for bit and finder models.

Insert Bits

Used with Bit Holders (all bits are 1.0" (25.4 mm) long)



Phillips	Pozi-Drive	Point Size
446-0X	446-0-PZDX	0
440-1X	440-1-PZDX	1
440-2X	440-2-PZDX	2
440-3X	440-3-PZDX	3

Square Recess Bits

Part Number	Point Size	Nominal Size (In.)	Overall Length (In.)	
			In.	mm
1/4" Hex Insert Bit				
950-1X	1	3/32	1	
1/4" Hex Power Drive				
954-0X	0	1/16	1 15/16	
954-1X	1	3/32	1 15/16	
954-2X	2	1/8	1 15/16	
954-3X	3	9/64	1 15/16	

Hex Extensions

Part Number	Hex Drive (In.)	Type of Lock	Overall Length	
			In.	mm
Male Hex Drive with 1/2" Male Square				
EX-501-3	7/16	Pin	3	76
EX-501-4	7/16	Pin	4	102
EX-501-6	7/16	Pin	6	152
Male Hex Drive with 3/8" Male Square				
EX-371-3	7/16	Pin	3	76
EX-371-4	7/16	Pin	4	102
EX-371-6	7/16	Pin	6	152

Hex Drive Nutsetters

Part Number	Size (In.)	Overall Length (In.)	Socket Nose Diameter (In.)
7/16" 6 Point			
6N-1416-3	1/2	3	13/16
6N-1416-4	1/2	4	13/16
6N-1418-3	9/16	3	7/8
6N-1418-4	9/16	4	7/8
6N-1420-3	5/8	3	1
6N-1420-6	5/8	6	1

6 Point Impact Sockets

Part Number	Hex Opening	Overall Length	Diameter Nose End	Diameter Drive End	Opening Depth
3/8" Square Drive Sockets, SAE					
3112	3/8	1-1/4	19/32	3/4	1/4
3114	7/16	1-1/2	11/16	3/4	9/32
3116	7/16	1/2	1-1/2	13/16	11/32
3118	7/16	9/16	1-1/2	7/8	7/16
1/2" Square Drive Sockets, SAE					
5112	3/8	1-1/2	5/8	15/16	1/4
5114	7/16	1-1/2	11/16	15/16	9/32
5116	1/2	1-1/2	13/16	15/16	11/32
5120	5/8	1-1/2	1	1	7/16
5122	11/16	1-1/2	1-1/8	1-1/8	7/16
5124	3/4	1-1/2	1-1/8	1-1/8	15/32
3/4" Square Drive Sockets, SAE					
7128	7/8	2	1-1/2	1-1/2	9/16
7132	1	2	1-5/8	1-5/8	5/8
7136	1-1/8	2-1/8	1-3/4	1-3/4	3/4
7140	1-1/4	2-1/8	2	1-3/4	13/16
7144	1-3/8	2-1/8	2-1/8	2-1/8	13/16
7148	1-1/2	2-1/4	2-1/4	2-1/8	1Z0
3/8" Square Drive Sockets, Metric					
12mm13	12	38.1	19.1	19.1	7.2
14mm13	14	38.1	22.2	22.2	11.1
16mm13	16	38.1	23.8	23.8	11.1
1/2" Square Drive Sockets, Metric					
16mm15	16	38.1	25.4	25.4	11.1
18mm15	18	38.1	28.6	28.6	11.1
20mm15	20	38.1	31.7	31.7	11.9
22mm15	22	38.1	33.3	33.3	14.3
3/4" Square Drive Sockets, Metric					
28mm17	28	54	44.4	44.4	19.1
30mm17	30	54	47.6	44.4	19.1
32mm17	32	54	50.8	44.4	20.6
34mm17	34	54	54.0	54.0	20.6
36mm17	36	57	57.1	54.0	23.8



Accessories

Tool Wraps & Tune Up Kits

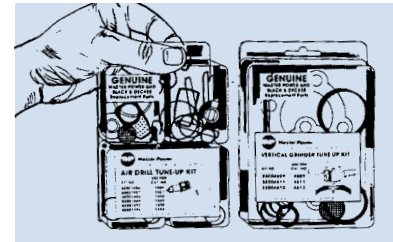
ERGOMASTER TOOL WRAPS

- Comfortable...
- Reduce Vibration & Impact Shock
- Durable, long lasting

Model #	Part #	Model #	Part #	Model #	Part #	Model #	Part #	Model #	Part #	Model #	Part #	Model #	Part #
MP1440	800768	MP1497	"	MP2430	"	MP2475	"	MP4417	800786	MP4529	800773	MP4910	800773
MP1441	"	MP1498	"	MP2431	800768	MP2520	"	MP4418	800772	MP4530	800772	MP5161	800769
MP1442	"	MP1499	800776	MP2432	"	MP2521	"	MP4419	"	MP4533	800773	MP5164	"
MP1443	"	MP1521	800778	MP2433	"	MP2522	"	MP4420	"	MP4534	"	MP5168	"
MP1444	"	MP1522	"	MP2434	800777	MP2523	"	MP4421	"	MP4535	"	MP5173	800788
MP1460	"	MP2250	800768	MP2456	"	MP2524	"	MP4422	"	MP4536	"	MP5174	800789
MP1462	"	MP2252	800777	MP2457	800768	MP2525	"	MP4438	"	MP4537	"	MP5177	"
MP1464	"	MP2254	800768	MP2458	"	MP2530	"	MP4439	"	MP4538	"	MP5178	"
MP1466	800777	MP2256	800777	MP2460	"	MP2532	"	MP4448	800774	MP4539	"	MP5182	"
MP1468	"	MP2270	800795	MP2461	"	MP2534	"	MP4449	"	MP4609	800771	MP5191	800790
MP1484	800776	MP2275	800768	MP2462	"	MP4405	800784	MP4450	"	MP4611	"	MP5192	"
MP1487	"	MP2278	"	MP2462	"	MP4406	"	MP4451	"	MP4612	"	MP5193	800791
MP1488	"	MP2290	800770	MP2470	"	MP4411	800785	MP4453	"	MP4618	"	MP5194	"
MP1489	"	MP2291	"	MP2471	"	MP4412	"	MP4454	"	MP4721	800772	MP5195	800792
MP1490	"	MP229223212"	"	MP2472	"	MP4413	800786	MP4455	800775	MP4901	800775	MP5197	800793
MP1494	"	MP2322	800794	MP2473	800777	MP4414	"	MP4460	800774	MP4905	"	MP6150	800769
MP1496	800777	MP2329	"	MP2474	"	MP4415	800787	MP4460	"	MP4906	"		

TUNE UP KITS

- Genuine Master Power Tune-up Kits for all your Master Power Industrial Air Tools is a convenient, cost effective, time saving way to increase your productivity.
- Use only genuine Master Power replacement parts to maintain Master Power Air Tool Quality.



Model #	Part #	Model #	Part #	Model #	Part #	Model #	Part #	Model #	Part #	Model #	Part #
MP1440	88001440	MP2250	88002250	MP2412	88002412	MP2475	88002475	MP4438	88004438	MP4611	88004611
MP1441	88001441	MP2254	88002254	MP2414	88002414	MP2521	88002521	MP4439	88004439	MP4612	88004612
MP1442	88001442	MP2256	88002256	MP2416	88002416	MP2522	88002522	MP4448	88004448	MP4618	88004618
MP1443	88001443	MP2264	88002264	MP2422	88002422	MP2523	88002523	MP4449	88004449	MP4721	88004721
MP1446	88001446	MP2265	88002264	MP2424	88002424	MP2524	88002524	MP4450	88004450	MP4811	88004811
MP1446SR	88001446SR	MP2266	88002266	MP2426	88002426	MP2530	88002530	MP4451	88004451	MP4894	88004894
MP1448	88001448	MP2270	88002270	MP2430	88002430	MP3056	88003056	MP4453	88004453	MP4901	88004901
MP1460	88001460	MP2274	88002274	MP2431	88002431	MP4319	88004319	MP4454	88004454	MP4904	88004904
MP1462	88001462	MP2275	88002275	MP2432	88002432	MP4400	88004400	MP4455	88004455	MP4905	88004905
MP1464	88001464	MP2289	88002289	MP2433	88002433	MP4405	88004405	MP4460	88004460	MP4906	88004906
MP1466	88001466	MP2290	88002290	MP2456	88002456	MP4406	88004406	MP4461	88004461	MP4536	88004536
MP1468	88001468	MP2291	88002291	MP2457	88002457	MP4407	88004407	MP4470	88004470	MP4911	88004911
MP1484	88001484	MP2292	88002292	MP2458	88002458	MP4408	88004408	MP4529	88004529	MP4999	88004999
MP1487	88001487	MP2293	88002293	MP2460	88002460	MP4413	88004413	MP4530	88004530	MP5191	88005191
MP1488	88001488	MP2294	70488500	MP2461	88002461	MP4414	88004414	MP4533	88004533	MP5193	88005193
MP1489	88001489	MP2298	88002298	MP2461SR	88002461SR	MP4415	88004415	MP4534	88004534	MP5195	88005195
MP1490	88001490	MP2321	88002321	MP2462	88002462	MP4417	88004417	MP4535	88004535	MP5197	88005197
MP1494	88001494	MP2322	88002322	MP2470	88002470	MP4418	88004418	MP4536	88004536	MP6150	88006150
MP1496	88001496	MP2329	88002329	MP2471	88002471	MP4419	88004419	MP4537	88004536		
MP1521	88001521	MP2402	88002402	MP2472	88002472	MP4420	88004420	MP4538	88004538		
MP1522	88001522	MP2404	88002404	MP2473	88002473	MP4421	88004421	MP4539	88004539		
MP2250	88002250	MP2406	88002406	MP2474	88002474	MP4422	88004422	MP4609	88004609		



MASTERGUARD II WATER EXTRACTOR/AIR FILTERS

- Absolute protection from water fail safe; won't let water through even if filter is saturated
- 100% effective from 0 to 65 CFM
- Automatic float drain with manual by-pass
- Unit standard with 1/2" N.P.T., with 3/8" N.P.T. bushings
- Pressure drop indicator shows operator when line pressure drops
- Non-corrosive components – stainless steel & plastic

Pressure Differential Gauge

If your filter element starts to clog and pressure starts to drop, the MasterGuard II will let you know. This unique gauge starts to show red when nominal pressure drops by 14psig.



22082

Model Number	Pipe Size	Flow (CFM)	Pressure Range	Bowl Size	Standard Equipment
--------------	-----------	------------	----------------	-----------	--------------------

22082 3/8"-1/2" N.P.T. 65 5-200 10 oz. Auto Drain with Manual Bypass

Replacement filter 80182500 (22082)

MASTERGUARD II INLINE FILTER

- Absolute protection from water fail safe: won't let water through even if filter is saturated
- 100% effective from 0 to 50 CFM

22090



Model Number	Pipe Size	Flow (CFM)	Max Operating Pressure	Length		Weight	
				in	mm	oz	gr

22090 1/4" N.P.T. 25 continuous - 50 peak 125 PSIG 3.5 87 5 150

Replacement filter

80114800 (22090)

80118800 (22091)

AIR HOSES

Part Number	Description
63593	1/4"x1/4"x8' Rubber Hose
63594	3/8"x3/8"x8' Rubber Hose
63595	1/8"x1/4"x8' Rubber Hose
63596	1/4"x1/4"x8' Braided Hose, non swivel
70488400	1/4"x1/4"x8' Braided Hose, swivel ends



63594

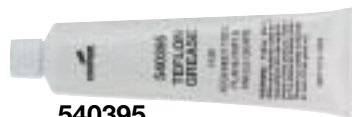


63596

GREASE



513156
16 oz. can



540395
2 oz. tube



70497600
Grease dispenser
(order grease separately)

MASTER GUARD AIR OIL



60538 4 oz.



60539 1 quart



Special Requests

CAT.#	SR #	Description	CAT.#	SR #	Description	CAT.#	SR #	Description
DRILLS								
MP1440	-38	With 1/4" Chuck & Key		-51	With 3/8" Chuck	MP1496	-38	With 1/4" Chuck & Key
	-40	No Chuck		-52	With 3/8" Keyless Chuck		-40	No Chuck
	-42	With 1/4" Chuck	MP1455	-38NL	1/4" Drill (1000 RPM N.L. Vanes)	MP1497	-38	With 1/4" Chuck & Key
	-52	With 3/8" Keyless Chuck		-40	No Chuck		-40	No Chuck
MP1440SR	-1218	With 1/4" Quick Change Chuck & Reversible		-42	With 1/4" Chuck	MP1498	-38	With 1/4" Chuck & Key
	-1294	With 1/2" Chuck & 1446 Motor		-51	With 3/8" Chuck		-40	No Chuck
	-1448	With Reverse Valve	MP1460	-52	With 3/8" Keyless Chuck	MP1498SR	-1395	With 44003 Collet Between 2700-3000 RPM
MP1441	-38	With 1/4" Chuck & Key		-38	With 1/4" Chuck & Key	MP1500SR	-1345	With 5/8" Chuck
	-40	No Chuck		-40	No Chuck	MP1521SR	-1082	With Overall Length of 16"
	-42	With 1/4" Chuck		-51	With 3/8" Chuck		-1301	Without Motor Assembly & Chuck
	-52	With 3/8" Keyless Chuck		-52	With 3/8" Keyless Chuck		-1363	Without Specific Parts
MP1441SR	-1219	With 1/4" Quick Change Chuck & Reversible		-53	With 1/2" Chuck		-1442	Without Handle
	-1220	With 1/4" Quick Change Chuck & Reversible @ 850 RPM	MP1462	-55	With 1/2" Multicraft Chuck	MP1522SR	-1240	With 2" Pipe
	-1384	With Side Handle & SR Motor		-38	With 1/4" Chuck & Key		-1334	Without Specific Parts
MP1442	-38	With 1/4" Chuck & Key		-40	No Chuck		-1378	With 3" Longer Handle
	-40	No Chuck		-42	With 1/4" Chuck		-1380	With 70165501 Spindle/12" Pipe, No Chuck, Remote Exhaust
	-51	With 3/8" Chuck		-52	With 3/8" Keyless Chuck		-1391	With 70165501 Spindle/37286 Pipe Away Exhaust/12" Pipe & No Chuck
	-52	With 3/8" Keyless Chuck	MP1464	-53	With 1/2" Chuck		-1421	Without Chuck
	-53	With 1/2" Chuck		-55	With 1/2" Multicraft Chuck		-1477	Without Handle
	-55	With 1/2" Multicraft Chuck		-42	With 1/4" Chuck		-1557	Without Handle and Chuck
MP1442SR	-1256	With 3/8" Chuck & Feathering Throttle		-52	With 3/8" Keyless Chuck	IMPACTS		
MP1443	-38	With 1/4" Chuck & Key		-53	With 1/2" Chuck	MP2270SR	-1281	With 1/4" Quick Change
	-40	No Chuck		-55	With 1/2" Multicraft Chuck	MP2274SR	-1446	With 1/4" Quick Change
	-51	With 3/8" Chuck	MP1464SR	-1458	With 1/2" Chuck & SR Motor Package	MP2275SR	-1172	With 1/4" Quick Change
	-52	With 3/8" Keyless Chuck	MP1466	-38	With 1/4" Chuck & Key	MP2278SR	-1254	Unit Modified to 40 ft lbs
	-53	With 1/2" Chuck		-40	No Chuck	MP2290SR	-1346	With 80154100 Shank
	-55	With 1/2" Multicraft Chuck	MP1466SR	-1274	Unit @ 5000 RPM	MP2329SR	-1062	With 2321 Shank
MP1443SR	-1177	With 1/2" Chuck & Supercharged		-1459	Unit @ 18000 RPM		-1339	With 70162300 Shank 70164000 Barrel 70164100 Bail
	-1430	With SR Motor Package		-1403	Between 8000-10000 RPM	SCREWGUNS		
MP1444	-38	With 1/4" Chuck & Key	MP1468	-38	With 1/4" Chuck & Key	MP2402SR	-1547	With 1/4" Jacobs Chuck
	-40	No Chuck		-40	No Chuck	MP2404SR	-1563	With 1/4" Chuck
	-51	With 3/8" Chuck	MP1468SR	-1273	With 3/8" Chuck @ 5000 RPM	MP2406SR	-1580	With 1/4" Chuck
	-52	With 3/8" Keyless Chuck	MP1484	-38	With 1/4" Chuck & Key	MP2430SR	-1420	With SR package
	-53	With 1/2" Chuck		-40	No Chuck	MP2431SR	-1111	With Plastic Handle
	-55	With 1/2" Multicraft Chuck		-51	With 3/8" Chuck		-1222	With 70191401 Trigger
MP1444SR	-1073	With Feathering Throttle		-52	With 3/8" Keyless Chuck		-1544	With Metal Ball Retainer
	-1436	With SR Motor Package	MP1487	-38	With 1/4" Chuck & Key	MP2433SR	-1036	Unit @ 2800 RPM
MP1447	-38	With 1/4" Chuck & Key		-40	No Chuck	MP2457SR	-1409	With SR Package
	-40	No Chuck		-51	With 3/8" Chuck		-1463	With 9086500 Steel Ball Retainer
	-42	With 1/4" Chuck		-52	With 3/8" Keyless Chuck	MP2461SR	-1092	With Special Chemical & Oil Resistant Neoprene Tubing
	-52	With 3/8" Keyless Chuck		-53	With 1/2" Chuck		-1387	Unit @ 4100 RPM
	-53	With 1/2" Chuck		-55	With 1/2" Multicraft Chuck	MP2461SR-M	-1417	Unit @ 4100 RPM
	-55	With 1/2" Multicraft Chuck	MP1488	-38	With 1/4" Chuck & Key	MP2471SR	-1438	With Live Spindle
MP1446SR	-38	With 1/4" Chuck & Key		-40	No Chuck	MP2474SR	-1265	With 9111500 Light Spring Installed
	-40	No Chuck		-51	With 3/8" Chuck	MP2475SR	-1016	With 2473 Clutch
	-42	With 1/4" Chuck		-52	With 3/8" Keyless Chuck		-1017	With Live Spindle
	-52	With 3/8" Keyless Chuck		-53	With 1/2" Chuck		-1129	With Versa Clutch
	-53	With 1/2" Chuck		-55	With 1/2" Multicraft Chuck		-1139	With 9111500 Light Spring Installed
	-55	With 1/2" Multicraft Chuck	MP1488SR	-1116	Unit Sprayed Black		-1234	With 9111500 Light Spring Set @ 6 in lbs Medium Seat Plus or minus 1 in lb
MP1447SR	-1248	With 1/2" Chuck @5500 rpm		-1566	Unit With 1/4" Quick Change for use as Direct Drive Screwdriver	MP2522SR	-1031	With 3/8" Square Drive
MP1448	-38	With 1/4" Chuck & Key					-1414	With 1/4" x 28" Spindle
	-40	No Chuck	MP1489	-38	With 1/4" Chuck & Key		-1087	With 3/8" Chuck
	-42	With 1/4" Chuck		-40	No Chuck	MP2530SR	-1171	Modified to Increase Forward Power by 20%
	-52	With 3/8" Keyless Chuck		-51	With 3/8" Chuck		-1333	With 8617100 Reverse Valve
	-53	With 1/2" Chuck		-52	With 3/8" Keyless Chuck		-1336	Unit @ 10000 RPM Change Gear & Pinion
	-55	With 1/2" Multicraft Chuck	MP1490	-38	With 1/4" Chuck & Key	MP2532SR	-1365	With 3/16" Ball Detent Shank
MP1451	-38NL	1/4" Drill (5200 RPM N.L.Vanes)		-40	No Chuck	SANDERS		
	-40	No Chuck		-42	With 1/4" Chuck	MP4407SR	-1385	Without Pad
	-42	With 1/4" Chuck		-52	With 3/8" Keyless Chuck	MP4415SR	-1078	Without Pad
	-51	With 3/8" Chuck		-53	With 1/2" Chuck		-1079	With 57435 5" Pad
	-52	With 3/8" Keyless Chuck	MP1494	-38	With 1/4" Chuck & Key		-1328	Concentric Sander
	-53	With 1/2" Chuck		-40	No Chuck			
MP1453	-38NL	1/4" Drill (3200RPM N.L.Vanes)		-42	With 1/4" Chuck			
	-40	No Chuck		-51	With 3/8" Chuck			
	-42	With 1/4" Chuck		-52	With 3/8" Keyless Chuck			



CAT.#	SR #	Description	CAT.#	SR #	Description	CAT.#	SR #	Description
MP6150SR	-1244	Unit @ 10000 RPM		-1167	With Lock-off Throttle (Type 2)		-1180	With 37261 SKIRT Guard
	-1381	Unit Between 11500-12000 RPM		-1377	Without Lock-off Throttle		-1241	With Lock-off Throttle
GRINDERS			MP4534SR	-1003	With 4530 Spindle	MP4618SR	-1014	With 70151500 Guard
MP4413SR	-1005	Lint Picker, 15000 RPM		-1085	With 3 Foot handle Unit @ 10000 RPM for 5" & 6" Sanding Disc 9296200 With .625 Hole Unit @ 10000 RPM		-1045	With 37271 Guard
	-1122	With Lock-off Throttle		-1096	Unit @ 13500 RPM 5/8" Dia Pilot Nut for 4" x 5/8" ID Diamond Saw		-1109	With 37270 7" Low Profile Guard
	-1249	With Feathering Throttle		-1097	Unit @ 10000 RPM		-1123	With Lock-off Throttle 70217401
MP4414SR	-1164	With Lock-off Throttle		-1100	With Side Handle		-1140	Unit @ 4500 RPM
	-1263	With 1/8" Collet		-1181	With 37295 Guard Using 703061 Nut & 703310 Wheel Collar		-1173	With 70169900 Guard
	-1426	With Grease Fitting Re-located to Side Head		-1191	With 80049600 Guard 703061 Nut 703310 Wheel Collar & 800488 Side Handle		-1310	Unit @5400 RPM
	-1434	With 1/4"-20 Female Thread Spindle		-1236	With Rear Exhaust		-1340	With 37270 Guard & Lock-off Throttle
	-1435	With 1/4"-20 Male Thread Spindle		-1252	With 80049200 Guard (Used With 4" dia. Wire Brush Only) label on Guard ** For Wire Brush Only **		-1353	With 70169900 Guard & Lock-off Throttle
	-1447	Unit @ 20000 RPM		-1322	Supercharged		-1369	With 70217401 Guard @ 7200 RPM
	-1453	With 6mm Collet		-1399	With 5/8" x 11" Spindle @ 13500 RPM		-1454	Unit @ 7200 RPM
MP4415SR	-1611	Unit With Side Handle	MP4535SR	-1174	With 37295 Guard	MP4699SR	-1603	With 70169900 Guard @ 7200 RPM
MP4417SR	-1025	With Feathering Throttle		-1451	With 70201202 Spindle		-1077	With 70180300 Guard
	-1127	With Lock-off Throttle		-1518	Modified to Use 3/4" Arbor Wheel		-1160	With 70151500 Guard
	-1188	With 70498100 Collet	MP4536SR	-1166	With 800977 Spacer - Used for Type 27 With 7/8" ID & 800978 Locking Nut Used for Cut-off Wheels With 3/4" ID		-1163	With 37270 Guard
	-1476	With 1/4"-20 Male Spindle		-1184	With 50937	MP4721SR	-1200	With 3/8" Collet
MP4418SR	-1048	With 1/8" Collet		-1187	With 80049600 Guard & 800497 Cap From 4535		-1388	With Three Vane Motor
	-1126	Unit @13000 RPM		-1199	W/O Guard & Spindle Lengthened by 1/2"	MP4734SR	-1239	With 1/4" Collet
	-1162	With Lock-off Throttle		-1205	Without Guard		-1464	Supercharged
	-1198	Unit @ 15000 RPM Maximum		-1209	With 70201202 Spindle @ 10000 RPM	MP4901SR	-1044	With Double Muffler
	-1202	Unit @16000 RPM		-1258	With Rear Exhaust		-1412	With Bail Holes
	-1229	Unit @ 11000 RPM		-1332	Supercharged	MP4904SR	-1039	With Double Muffler
MP4419SR	-1324	With Lock-off Throttle		-1358	With Feathering Throttle	MP4905SR	-1040	With Double Muffler
	-1413	Unit Between 10000-12000 RPM		-1372	Modified to Use 5/8 ID Cut-off Wheels		1084	With 1/2" Chuck
MP4420SR	-1015	With Lock-off Throttle		-1410	Unit @ 12000 RPM	PERCUSSION		
	-1135	Unit @ 8000 RPM		-1423	Unit @ 13500 RPM	MP5164SR	-1279	With 55533 Bee Hive Spring
	-1043	With 1/8" Collet	MP4537SR	-1099	With 70201202 Output Spindle & 703136 Guard		-1296	With 1" Extended Bore & Without Spring
	-1158	With 44026 Collet (6mm)		-1207	With 70201202 Spindle		-1398	With .498 Tapper
	-1165	With 44026 Collet (6mm) & Lock-off Throttle		-1392	With 80049200 Guard	MP5168SR	-1117	With 9253500 Sheet Metal Cutter 9253600 panel Cutter 9253800 Rivet Cutter 55424 Spotweld Breaker & 9254400 7" Nut & Bolt Cutter
MP4421SR	-1115	With 3/8" 200 Series Collet		-1125	Unit @6500 RPM		-1321	With 51713 Chisel Tip Needles
MP4422SR	-1325	With Lock-off Throttle	MP4538SR	-1128	Unit @10000 RPM	MP5177SR	-1196	Without 8912201 Housing 89129 Buffer Ring 89130 Holder 89132 Spring & 89133 Pin
	-1352	Without Roll Stamp		-1134	W/ 3/8" 200 Series Collet @13500 RPM		-1197	Without 8912201 Housing 89129 Buffer Ring 89130 Holder 89132 Spring & 89133 Pin With 801192 Clamp & 800377 Cuff
	-1366	Unit @ 12000 RPM		-1137	With Ergo Wrap Between 5500/6000 RPM	MP5193SR	-1212	With 2mm Needles
	-1419	With Rear Exhaust		-1155	With 5/16" 200 Series Collet	MP5195SR	-1141	With 51742 2" Chisel
	-1440	Unit @ 18000 RPM		-1170	Unit @10000 RPM		-1178	With 51743 8" Chisel
MP4438SR	-1152	With Rear Exhaust		-1203	With 1/4" Collet @16000 RPM		-1193	With 51749 4" Non-Spark Chisel
	-1154	With 5/16" 200 Series Collet		-1264	With 1/4" 200 Series Collet		-1210	With Needle Attachment Kit
	-1432	With 6mm Collet		-1275	With Rear Exhaust @ 6000 RPM	MP5197SR	-1124	With Reverse Handle to Run Lengthwise of the Tool
	-1206	With 3/8" Collet		-1317	Unit @18000 RPM		-1341	With 51751 Non-Spark Tips
MP4439SR	-1190	Unit @ 18000 RPM		-1349	With 3/8" Collet			
	-1214	With 1/8" Collet		-1361A	With 3/8" Collet @ 18000 RPM			
	-1232	Lint Picker		-1604	With 18,000 RPM, Rear Exhaust & Muffled			
	-1305	With Lock-off Throttle @18000 RPM	MP4609SR	-1001	With 70180300 Guard			
	-1371	Unit 718519 Collet		-1026	With 37370 Guard			
	-1431	With 718519 Collet		-1066	With 718495 Guard			
	-1433	With 718519 Collet & Without Knurls on Housing		-1081	With Wheel Cup Guard			
	-1437	Modified to Run in Opposite Direction		-1182	With Lock-off Throttle			
MP4448SR	-1010	With 3/8" Collet		-1368	Without Baffle			
	-1032	With 44006 Spacer & 69609000 Collar	MP4611SR	-1058	With Double Muffler			
	-1064	Without Collet		-1113	With 37271 Guard			
	-1080	With 37290 2" Guard 69609000 Collar 69609100 Washer & Nut		-1136	With 37270 7" Low Profile Guard			
	-1088	With 3/8" Collet		-1306	With Lock-off Throttle			
	-1216	With 70498200 200 Series Collet		-1373	With 37260 Guard			
MP4449SR	-1012	With 3/8" Collet	MP4612SR	-1029	With 37271 Guard			
MP4453SR	-1063	With 37292 4" Guard		-1033	Unit @ 7200 RPM			
MP4455SR	-1260	Unit @ 7500 RPM						
	-1397	Unit @ 6000 RPM						
MP4529SR	-1103	With 10000 RPM						
	-1090	Without Muffler						
	-1105	With 70201203 Spindle						
	-1143	With Collet (6mm)						



Special Requests

COLLETS

Part Number	Collet Size	Capacity		Tool Termination	Tool Series*	
		Min	Max		MP4538 MP4721 MP4438 MP4439	MP4319, MP4322, MP4413, MP4414, MP4417, MP4418, MP4419, MP4420, MP4421, MP4422, MP4440-3, MP4440-5, MP4529, MP4530

Series 200 Collets

70497700	1/8"	3/32"	1/8"	-0108	OPT
70497800	1/4"	7/32"	1/4"		STD
70497900	3/16"	5/32"	3/16"	-0112	OPT
70498000	7/32"	3/16"	7/32"	-0114	OPT
70498400	5/16"	9/32"	5/16"	-0120	OPT
70498600	3/8"	11/32"	3/8"	-0124	OPT

Series 300 Collets

70498100	1/8"	3/32"	1/8"	-3608	OPT
70498200	1/4"	7/32"	1/4"		STD
70498300	3/16"	5/32"	3/16"	-3612	OPT
70497500	7/32"	3/16"	7/32"	-3614	OPT
70498500	5/16"	9/32"	5/16"	-3620	OPT
70507600	6mm	5.2mm	6mm	-36M6	OPT

* STD = Standard Collet
OPT = Optional Collet



JACOBS® CHUCKS

Model Number			Thread Size	Capacity	Description	Termination
Chuck Only	Key Only	Chuck & Key				
-	-	-	-	-	No Chuck	-40
-	770501	90013500	3/8"-24	1/4"	1 BA	-38
9112301	770501	-	3/8"-24	1/4" Heavy Duty	7 BA	-42
70194901	613301	14502	3/8"-24	3/8"	41 BA	-51
14506	-	-	3/8"-24	3/8"	Keyless	-52
80046800	479401	-	3/8"-24	1/2"	33 BA	-53
80110000	80110100	-	3/8"-24	1/2"	Multi-Craft®	-55



MASTER POWER DRILLS

Base Model	Type	RPM	Termination						
			-40*	-38	-42	-51	-52	-53	-55
MP1440	Pistol	500	●	●	●	●	●		
MP1441	Pistol	1000	●	●	●	●	●		
MP1442	Pistol	2000	●	●	●	●	●	●	●
MP1443	Pistol	3000	●	●	●	●	●	●	●
MP1444	Pistol	4000	●	●	●	●	●	●	●
MP1446SR	Pistol	5500	●	●	●	●	●	●	●
MP1447	Pistol	2600	●	●	●	●	●	●	●
MP1448	Pistol	1100	●	●	●	●	●	●	●
MP1451	Pistol	5200	●	●	●	●	●		
MP1453	Pistol	3200	●	●	●	●	●		
MP1455	Pistol	1000	●	●	●	●	●		
MP1460	Pistol	2800	●	●	●	●	●	●	●
MP1462	Pistol	1800	●	●	●	●	●	●	●
MP1464	Pistol	1100	●	●	●	●	●	●	●
MP1466	Inline	2800	●	●	●				
MP1468	Inline	1800	●	●	●				
MP1484	Pistol	1800	●	●	●	●	●		
MP1487	Pistol	3800	●	●	●	●	●	●	●
MP1488	Pistol	2350	●	●	●	●	●	●	●
MP1489	Pistol	4500	●	●	●	●	●		
MP1490	Pistol	1000	●	●	●	●	●		
MP1494	Pistol	550	●	●	●	●	●	●	
MP1496	Angle	800	●	●	●				
MP1497	Angle	1300	●	●	●				
MP1498	Angle	2000	●	●	●				

● Indicates drill is available with termination.



Torque Conversion – In. Lbs. (Nm)					
In.	Nm	In.	Nm	In.	Nm
5	0.6	50	5.7	140	15.8
10	1.1	60	6.8	150	17.0
15	1.7	70	7.9	160	18.1
20	2.3	80	9.0	170	19.2
25	2.8	90	10.2	180	20.3
30	3.4	100	11.3	190	21.5
35	4.0	110	12.4	200	22.6
40	4.5	120	13.6		
45	5.1	130	14.7		

Torque Conversion – Ft. Lbs. (Nm)					
Ft. Lbs.	Nm	Ft. Lbs.	Nm	Ft. Lbs.	Nm
1	1.36	43	58.3	85	115.3
2	2.7	44	60.0	86	117.0
3	4.1	45	61.0	87	118.0
4	5.4	46	62.4	88	119.3
5	6.8	47	63.7	89	121.0
6	8.1	48	65.1	90	122.0
7	9.5	49	66.4	91	123.4
8	10.9	50	67.8	92	125.0
9	12.2	51	69.2	93	126.1
10	13.6	52	70.5	94	127.5
11	14.9	53	71.9	95	129.0
12	16.3	54	73.2	96	130.2
13	17.6	55	74.6	97	131.5
14	19.0	56	75.9	98	133.0
15	20.3	57	77.3	99	134.2
16	21.7	58	78.7	100	135.6
17	23.1	59	80.0	110	149.2
18	24.4	60	81.4	115	156.0
19	25.8	61	82.7	120	163.0
20	27.1	62	84.1	125	170.0
21	28.5	63	85.4	130	176.3
22	29.8	64	86.8	135	183.1
23	31.2	65	88.1	140	190.0
24	32.5	66	90.0	145	197.0
25	33.9	67	90.9	150	203.4
26	35.3	68	92.2	155	210.2
27	36.6	69	93.6	160	217.0
28	38.0	70	94.9	165	224.0
29	39.3	71	96.3	170	231.0
30	40.7	72	97.6	175	237.3
31	42.0	73	99.0	180	244.1
32	43.4	74	100.3	185	251.0
33	44.8	75	102.0	190	258.0
34	46.1	76	103.1	195	264.4
35	47.5	77	104.4	200	271.2
36	48.8	78	105.8	225	305.1
37	50.2	79	107.1	250	339.0
38	52.0	80	108.5	275	373.0
39	52.9	81	110.0	300	407.0
40	54.2	82	111.2	350	475.0
41	55.6	83	112.6	400	542.4
42	57.0	84	114.0		

Torque Conversion Factors		
To Convert	Into	Multiply By
Inch Pounds	Foot Pounds	0.0833
Inch Pounds	Newton meters	0.1130
Inch Pounds	Kg-meters	0.0115
Inch Pounds	Kg-Cm	1.1521
Foot Pounds	Inch Pounds	12.000
Foot Pounds	Newton meters	1.3558
Foot Pounds	Kg-meters	0.1382
Foot Pounds	Kg-Cm	13.8240
Newton Meters	Inch Pounds	8.8507
Newton Meters	Foot Pounds	0.7375
Newton Meters	Kg-meters	0.1020
Newton Meters	Kg-Cm	10.2000
Kg meters	Inch Pounds	86.8100
Kg meters	Foot Pounds	7.2340
Kg meters	Newton-meters	9.8040
Kg Cm	Inch Pounds	0.8681
Kg Cm	Foot Pounds	0.0723
Kg Cm	Newton-meters	0.0980

Miscellaneous Conversion Factors		
To Convert	Into	Multiply By
Inches	Millimeters	25.4000
Millimeters	Inches	0.0394
Pounds	Kilograms	0.4536
Kilograms	Pounds	2.2050
psi	bar	0.069
bar	psi	14.5



TRAINING

Our Commitment To Your Success

Our complete line of tools are carefully designed and built from the finest materials available in order to provide years of trouble free service. But, as with any piece of equipment, service problems can occur. All tools are designed to be easy to service...that is, of course, if you know what you're doing.

To facilitate quick repairs, and limit downtime...CooperTools conducts training seminars covering all aspects of every tool we make.

Introductory training seminars are designed to fully acquaint students with the entire line of tools and their fundamental operation. The emphasis is on thoroughly understanding each tool...its features, uses, and the best way to demonstrate the tool to a potential buyer.

Advanced training seminars, which are often tailored to individual needs, are designed to hone the skills of the experienced student. Hands-on experience, with an emphasis on troubleshooting and repairing, are the focus of this training.

For additional information on our training seminars, please call your local CooperTools Distributor.





Factory Certified Tool Service

You can depend on Factory Certified Service Centers to provide the service your tools need.



CooperTools has strategically located Certified Service Centers throughout the U.S. These Centers are staffed with professional Tool Repair Technicians who provide complete and comprehensive repairs for **all** air tools, regardless of manufacture. And to be sure all repairs are done right the first time, the latest in testing equipment and inspection instruments are used.

Each tool repaired in one of the Factory Certified Service Centers is calibrated and tested to new tool standards, and carries the New Tool Warranty of Performance.

Free Repair Estimates

The cost to repair your air tool is provided before any work is started. We think you should know in advance what to expect. Naturally, the repair estimates are free... with no obligation.



Tool Inspection Service

Representatives from the Certified Service Center can help you improve your air tool utilization by providing a free, no-obligation survey of your present tooling. By identifying air tools in your plant that are worn and inefficient, the Factory Trained Servicemen can recommend appropriate repairs to help you reduce costly down-time and improve your man-hour productivity.



New Tool Warranty

Because every Certified Service Center has all equipment necessary to repair and calibrate your tools, each tool that leaves our centers has a New Tool Warranty. You have our assurance that this tool will perform just like it did when it was new.

Sales & Service Centers

Note: All locations may not service all products. Please contact the nearest Sales & Service Center for the appropriate facility to handle your service requirements.

Dallas

**CooperTools
Sales & Service Center**
1470 Post & Paddock
Grand Prairie, TX 75050
Tel: (972) 641-9563
Fax: (972) 641-9674

Detroit

**CooperTools
Sales & Service Center**
4121 North Atlantic Blvd.
Auburn Hills, MI 48326
Tel: (248) 391-3700
Fax: (248) 391-6295

Houston

**CooperTools
Sales & Service Center**
7007 Pinemont
Houston, TX 77040
Tel: (713) 460-7041
Fax: (713) 462-0482

Lexington

CooperTools
670 Industrial Drive
Lexington, SC 29072
Tel: (800) 845-5629
Tel: (803) 359-1200
Fax: (803) 359-0822

Los Angeles

**CooperTools
Sales & Service Center**
2000 S. Santa Cruz Street
Anaheim, CA 92805-6816
Tel: (714) 712-5800
Fax: (714) 712-5801

Springfield

**CooperTools
Airetool Operation**
(Airetool products only)
302 South Center Street
Springfield, OH 45506
Tel: (937) 323-4981
Tel: (877) 739-7263
Fax: (937) 323-6524

Tulsa

**CooperTools
Sales & Service Center**
5415 S. 125th East Avenue
Suite 202
Tulsa, OK 74146
Tel: (918) 250-9040
Fax: (918) 252-5931

Brazil

Cooper Tools Industrial Ltda.
Av. Liberdade, 4055
Zona Industrial - Iporanga
18087-170 Sorocaba, SP Brazil
Tel: (011) 55 15 238 3929
Fax: (011) 55 15 228 3260

Canada

**CooperTools
Sales & Service Center**
6581 Kitimat Road Unit #10
Mississauga, Ont. L5N 3T5
Canada
Tel: (905) 826-3000
Fax: (905) 826-9443

France

**CooperTools
Recoules Operation**
Zone Industrielle
BP 28
Avenue Maurice Chevalier
77831 Ozoir-la-Ferrière Cedex
France
Tel: 011 33 1 64 43 22 00
Fax: 011 33 1 64 40 17 17

Germany

**Cooper Power Tools
GmbH & Co.**
Postfach 30
D-73461 Westhausen
Tel: +49 (0) 73 63-8 10
Fax: +49 (0) 73 63-8 12 22

Mexico

**Cooper Power Tools
de México S.A. de C.V.**
Ave. San Andrés Atoto No. 165A
Col. San Esteban
Naucalpan, Edo. de México C.P.
53550
Tel: (011) 525 576-7955
Fax: (011) 525 576-0096



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Cooper Tools
P.O. Box 1410
Lexington, SC 29071-1410
USA
Phone: 803-359-1200
Fax: 803-808-6735
www.masterpowertools.com