

## Phillips Insert Bits

Part No	Overall Length	Shank Body Dia	Point Size	Fits Screw Size
0761001	1"	1/4 Hex	1	2-3-4
0761002	1"	1/4 Hex	2	5-6-7-8-10
0761003	1"	1/4 Hex	3	12-14



## Phillips Power Drive Bits

Part No	Overall Length	Shank Body Dia	Point Size	Fits Screw Size
0761004	1-15/16"	1/4 Hex	1	2-3-4
0761005	1-15/16"	1/4 Hex	2	5-6-7-8-10
0761006	1-15/16"	1/4 Hex	3	12-14



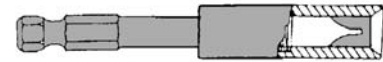
## Slotted Insert Bits

Part No	Overall Length	Shank Body Dia	Fits Screw Size
0762001	1"	1/4 Hex	4F - 5R
0762002	1"	1/4 Hex	6F - 8R
0762003	1"	1/4 Hex	8F - 10R
0762004	1"	1/4 Hex	10F - 12R



## Slotted Power Drive Bits

Part No	Overall Length	Shank Body Dia	Fits Screw Size
0763001	3-3/4"	1/4 Hex	4F - 5R
0763002	3-3/4"	1/4 Hex	6F - 8R
0763003	3-3/4"	1/4 Hex	8F - 10R
0763004	3-3/4"	1/4 Hex	10F - 12R



## Torx Insert Bits

Part No	Overall Length	Shank Body Dia	Fits Screw Size
0763310	1"	1/4 Hex	T10
0763315	1"	1/4 Hex	T15
0763320	1"	1/4 Hex	T20
0763325	1"	1/4 Hex	T25
0763327	1"	1/4 Hex	T27
0763330	1"	1/4 Hex	T30




## Torx-Plus Power Bit Selector (For Security Screws)


Part No	Includes
0762600	Magnetic 1/4" Bit Holder and the Following 10 Torx Plus Bits: IP7, IP8, IP9, IP10, IP15, IP20, IP25, IP27, IP30, IP40



## Magnetic Bit Holders


Part No	Overall Length	Shank Body Dia	
0762000	2-31/32	1/4 Hex	

## Magnetic Hex Screw Setters

Part No	Overall Length	Hex Opening	Screw Diameter	
0766000	2-9/16"	1/4	6 - 8	
0766001	2-9/16"	5/16	10 - 12	
0766002	2-9/16"	3/8	1/4	

## Quick Chuck

- Converts a standard chuck into a quick change attachment
- Accommodates all 1/4 " hex shank insert bits.

Part No	Description	
5150500	Fits 3/8" and 1/2" drills	

## Hex Keys

- High grade alloy steel
- Heat treated to obtain optimum strength

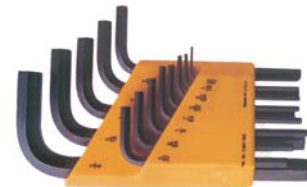
Key Size	Short Arm Key	Long Arm Key	T-Handle 6" Molded	Key Application	
				Socket Set	Socket Cap
5/64	0490201	0490210		#8	#3, #4
3/32	0490202	0490220	0490302	#10	#5, #6
1/8	0490203	0490230	0490303	1/4	#8
5/32	0490204	0490240	0490304	5/16	#10
3/16	0490205	0490250	0490305	3/8	1/4
7/32	0490206	0490260	0490306	7/16	5/16
1/4	0490207	0490270	0490307	1/2	3/8
5/16	0490208	0490280	0490308	5/8	7/16
3/8	0490209	0490290	0490309	3/4	1/2



## Long Arm Hex Keys

- Long Arm Hex Keys In A Molded Plastic Case.
- Keeps Keys In Order For Quick Identification

Part No	Type	Sizes
0490200	Fractional	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 1/4, 5/16, 3/8
0496200	Metric	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10



## Hex Key Sets

Part No	Type	Sizes
0490100	Fractional	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16
0496100	Metric	2, 2.5, 3, 4, 5, 6, 8



## Molded T-handle Hex Keys

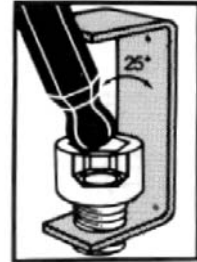
Part No	Type	Sizes
0490300	Fractional	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8
0493300	Metric	2, 2.5, 3, 4, 5, 6, 8, 10



## Ball Driver L-Wrenches

- Faster, easier maintenance and assembly
- Angle entry to 25° works in hard to reach areas, reduces “stripping” problems by allowing full depth entry
- Ergonomic design allows natural hand and wrist rotation, reduces user fatigue
- Industrial quality hardened blades

Key Size	Part Number		Key Application	
	Long Arm	T-handle	Socket Set	Socket Cap
5/64	0492201	0492210	#8	#3,#4
3/32	0492202	0492220	#10	#5,#6
1/8	0492203	0492230	1/4	#8
5/32	0492204	0492240	5/16	#10
3/16	0492205	0492250	3/8	1/4
7/32	0492206	0492260	7/16	5/16
1/4	0492207	0492270	1/2	3/8
5/16	0492208	0492280	5/8	7/16
3/8	0492209	0492290	3/4	1/2



## Long Arm Ball Drivers In A Molded Plastic Case

Part No.	Sizes
0492200	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 1/4, 5/16, 3/8



## Ball Driver Set

Part No	Sizes
0492100	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 1/4



## Molded T-handle Hex Keys

Part No	Sizes
0492300	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 1/4, 5/16, 3/8



# TOOLS



## Security Bit Kit

- 31piece set in Heavy Duty plastic case

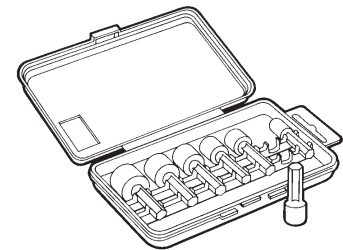
Part Number	Bit Type	Length	Sizes
0762100	Torx Security	1"	TR7,TR8,TR9,TR10,TR15,TR20 TR25,TR27,TR30,TR40
	Socket Security	1"	TR3/32,TR7/64,TR1/8,TR9/64, TR5/32,TR3/16,TR7/32,TR1/4
	Spanner Bits	1"	4,6,8,10
	Phillips Security	1"	2,3
	Square Bits	1"	1,2
	Phillips Bit	1"	1
	Slotted Bit	1"	8
	Socket Adapter	1"	for 1/4" Square Drive sockets
	Magnetic Bit Holder	1-3/4"	for 1/4" Hex Shank Insert Bits



## Power Nutsetter

- Fits electric drills, cordless tools, and 1/4" hand drivers
- For use with hex screws
- Non-magnetic

Part Number
0760460



7-Pc. Power Nutsetter, Non-Magnetic

## Multimaster 15 Function Tool


- Rust resistant stainless steel construction
- Ergonomic Handle design
- Easy opening, washer spaced blades with patented safety lock feature
- Nylon belt pouch

Part Number	Includes
5150016	Pliers, Beveled Wire Cutter, Gripper, Coarse and fine sided File, Wave Edge Sheepfoot blade, Metric/Standard Ruler, Saw Blade, Clip Blade, 2-1/4" Screwdriver Bits (2 Phillips, 2 Slotted) Universal Can/ Bottle Opener.




## 8 in 1 Multi-Wrench

- Wrench sizes 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 and 3/4".
- Chrome vanadium hardened steel with a solid steel shaft to stand up to heavy use.
- Chrome plated and rust resistant
- Rubberized handle for positive grip.

Part Number	Description	
5150688	8 in 1 Multi Wrench	


## Ratcheting Multi-Driver

- Includes 16 extra long 3" double ended bits in the handle and a 1/4" nut driver in the nosepiece.
- Heavy-duty reversible ratchet mechanism on the adjustable nosepiece locks into any angle you need.
- Patented end-cap allows individual bit removal, yet won't turn during use.

Part Number	Includes	
5150515	Slotted 1/4", 3/16" Phillips 1, 2, 3 Square 2, 3 Torx 15, 20, 25, 30 Hex 3/32", 1/8", 5/32", 3/16" Also includes SAE socket set which includes the sockets 3/16", 5/16", 3/8", 7/16", 11/32", 1/2" plus an adapter bit.	

## Security Multi-Driver

- Extra long 3" nosepiece with 16, 3" double ended bits security bits in the handle and a 1/4" nut driver in the nosepiece.

Part Number	Includes	
5150444	Spanner 4, 6, 8, 10 Torx Security 10, 15, 20, 25 Hex Security 1/8", 9/64", 5/32", 3/16" Roberts Security 1, 2 Slotted 7/32" Phillips 2	

## HEXOPRO™

Pivot head wrenches solve the access problem of working in tight spaces. The head allows the user to spin/loosen, bolts/screws, without having to disengage the obstruction. Replaces rigid L-shaped, foldout and T-handle designs.

Constructed of high-quality alloy steel for strength and toughness. Patented pivotal head that can be used as a screwdriver or wrench. Long handles for extra leverage. Ideal for hard to reach places.

Heavy duty canvas pouch included



Part No	Description	Set Includes
0496300	5pc SAE Set	3/16, 7/32, 1/4, 5/16, 3/8
0496400	6pc Metric Set	3M, 4M, 5M, 6M, 8M, 10M
0496500	6pc Torx Set	T25, T27, T30, T40, T45, T50



# 21 Pcs Gear Ratchet Combination SAE & Metric Socket Set



Part No 5150022

## Features & Benefits:

- Fine tooth 5° ratchet handle
- "Pass through" socket system eliminates the need for deep sockets
- The GearRatchet handle quickly converts to a conventional 1/4" or 3/8" ratchet for standard sockets by using the two included adapters

## Set Includes:

- Gear ratchet handle
- (7) SAE Vortex sockets (3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4")
- (10) Metric Vortex sockets (10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm and 19mm)
- 1/4" dr. GearRatchet adapter
- 3/8" dr. GearRatchet adapter
- Vortex "Pass-thru 3" extension (Designed to reach into deep recesses making deep sockets obsolete)
- The Vortex thin wall socket design has the same torque strength as an ordinary socket
- Over all height is reduced by as much as 50%, width by 20%
- The unique gear ratchet drive configuration increases torque strength by as much as 40% and needs as little as 5° or arc
- Chrome vanadium steel
- Fully hardened



## Ratcheting Combination Wrenches

- Mirror finished chrome vanadium steel construction exceeds all applicable ANSI specifications for strength.
- Open end jaw surfaces are parallel to within 0.0015" for better contact with fastener surfaces and higher torque transfer.
- Narrow cross-section design on box and open ends allows access to tighter work spaces, making wrench more versatile.
- This wrench works in places even deep sockets won't reach. It's perfect for positioning and tightening bolts on threaded rods.
- Ratchet feature turns fasteners with just a 5° swing vs. 30° needed for standard wrenches. Turns fasteners fast with its quick back and forth motion.
- The box end ring gear has 72 extra-fine teeth, precision machined and specially heat-treated for exceptional strength.
- Flip wrench has a full 180° pivoting head that makes it possible to align the ratcheting end perfectly with a fastener from virtually any angle.
- Patented. Exceeds all applicable ANSI Specifications for strength.



## Ratcheting Combination Wrench Sets

Part Number	Description	
5150107	SAE Ratcheting Combination Wrenches 7 Piece Set	
5150117	Metric Ratcheting Combination Wrenches 7 Piece Set	

## Flip Style Ratcheting Combination Wrench Sets

Part Number	Description	
5150108	SAE Flip Ratcheting Combination Wrenches 7 Piece Set	
5150109	Metric Flip Ratcheting Combination Wrenches 7 Piece Set	

## Redesigned Ratcheting Pipe Wrench

With unique swivel head and ratcheting jaw

- Unique 360° swivel head allow full leverage in tight spots
- Oversize jaws automatically set to fit the work piece
- Patented power jaw design increases the grip on as you increase the torque force
- Constructed on heavy gauge, industrial quality chrome vanadium steel, warranted for life.

Part Number	Description
5153110	10" Ratcheting Pipe Wrench
5153114	14" Ratcheting Pipe Wrench



## Combination Adjustable Wrench/Pipe Wrench

- Converts from an adjustable pipe wrench to an ordinary wrench with a few simple adjustments
- Ergonomic handle incorporates a slip-free surface

Part Number	Description
5150002	10" Combination Pipe Wrench
5150003	12" Combination Pipe Wrench



Thermoplastic handle provides extra comfortable

Adjustment screw has wide grooves and coarse knurls for easy, smooth

Measurement scale allows opening to be preset for fastener size

Reversible jaws for use on fasteners and pipes

## Precision Adjustable Wrench

- Joint mechanism is machined to super tight tolerances for smooth action and no jaw wobble through years of use.
- Jaws open 18% wider for larger fasteners and has a unique ridge design to catch different size fasteners without stripping edges.
- Laser etched gauge measures inches on one side and millimeters on the other side
- Streamlined handle with oversized cushioned grip improves tools balance and decreases hand fatigue Heavy-gauge industrial quality chrome vanadium tool is warranted for life.

Part Number	Description
5152106	6" Adjustable Wrench
5152108	8" Adjustable Wrench
5152110	10" Adjustable Wrench




## Alligator Pliers

### Ergonomic Design

- Water pump and locking pliers plus pipe wrench in one tool
- box joint construction
- self-gripping on pipes and nuts
- unique jaw design shaped to eliminate nut-burring
- special hardened teeth (approx. 60 HRC)
- the guard prevents operators' fingers from being pinched
- optimum lever action
- 7-position adjustment
- Material: chrome vanadium electric steel, oil-hardened



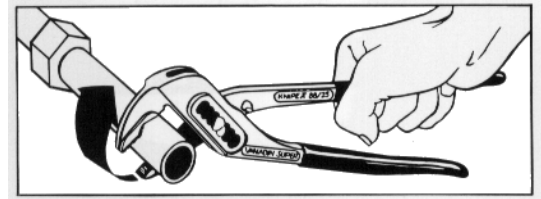
Part No	Length	Working Capacities	
		For Pipes (Dia.)	For Nuts (Across Flats)
5158810	10"	1/8" to 1-1/4"	1/4" to 1-3/8"
5158812	12"	1/8" to 1-1/4"	3/8" to 1-7/8"




## Cobra Pliers

### ERGONOMIC DESIGN

- Water pump and locking pliers plus pipe wrench in one tool.
- Positive locking push-button mechanism which adds benefits of an adjustable wrench.
- Self grip jaws - operated with one-handed downward pressure
- Box joint construction, push button action for fast and firm adjustment directly on the workpiece
- Selected jaw opening is positively ensured with 11-position adjustment
- the guard prevents operators' fingers from being pinched
- unique jaw design shaped to eliminate nut-burring
- hardness of gripping teeth (approx. 60 HRC)

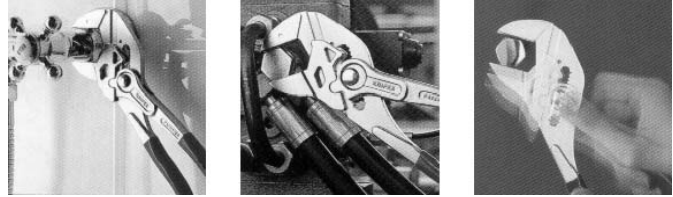


Part No	Length	Working Capacities	
		For Pipes (Dia.)	For Nuts (Across Flats)
5158710	10"	1/8" to 1-1/4"	1/4" to 1-3/8"
5158712	12"	1/8" to 1-1/4"	3/8" to 1-7/8"



## Plier Wrenches

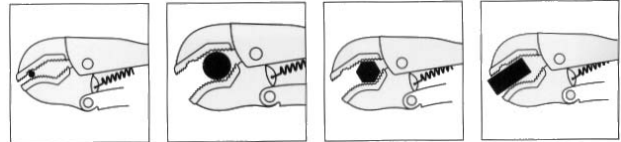
- KNIPEX Plier Wrench has been designed to save more time than any other plier
- cam action provides enormous leverage
- jaws capacity 1 3/8" / 1 5/8" for 7" / 10" models
- smooth box joint construction for greater strength
- 13 position push button ensures perfect fit on all workpiece sizes
- superior tool for gripping, holding and bending
- smooth parallel jaws avoid damage to plated and soft fittings
- unique cam action ratcheting system for easy and incredibly fast operation
- instant adjusting memory button retains jaw opening for repetitive work
- self-locking, ergonomic design features lever ratio greater than 10-1 for strong gripping power



Part No	Length	Clamping Width Inches	
5158603	10"	0 to 1-3/8"	

## Quick Release-Locking Pliers

- superior Quick Release Lever for single handed operation
- forged Chrome vanadium steel jaws
- multigripping jaw design for maximum versatility of sizes and shapes



Part No	Length	Clamping Width Inches	
5154114	10"	0 to 1-3/8"	

## 3 in 1 Multi Plier


- 3 interchangeable quick change heads, set includes a long nose plier, diagonal cutter, and combination plier heads, that lock into place and won't slip during use.
- Change heads quickly, open the spring loaded handles to full extension and snap in the desired head
- Patented handle mechanism applies twice the leverage force of standard pliers.
- Plier heads are induction hardened carbon steel and carry a three year warranty. The handle mechanism is constructed of chrome molybdenum and PVC and is warranted for life.

Part Number	Description	
5154300	3 in 1 Multi Plier	

## Ultra High Leverage Combination Piers


- new, high leverage, eccentric joint
- additional serrated round jaws for gripping small work pieces
- designed to cut piano wire and other solid wire with 50% less effort
- long cutting edges for thicker cables
- long-lasting under the toughest conditions
- cutting edges separately induction-hardened (64 HRC)
- Material: special tool steel, oil-hardened and tempered, heavy insulated handles 1000V

Part No	Length	Cutting Capacities		
		Cable	Med-Hardwire	Hard wire
5152029	9"	1/2	1/8	5/64

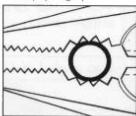


\* ERGONOMIC DESIGN

50 % easier cutting




with pipe grip



## Ultra High Leverage Diagonal Cutters

- cutting edges induction hardened (64 HRC) and factory tested
- fixed, forged on axle rivet
- designed for effortless cutting of piano, hard and soft wire
- polished head and plastic coated handles


Part No.	Length	Cutting Capacities		
		Soft Wire	Hard wire	Piano wire
5157408	8"	7/32	1/8	3/32



## Long Needle Nose with Cutter

- flat-round jaws
- gripping surfaces serrated
- designed to cut hard and soft wire
- Material: special tool steel, oil hardened

Part No	Length
5152611	8"





## ElecPlus-Screwdrivers

Part No	Tip Size	Blade Length
0763114	5/32	4"
0763115	7/32	5"
0763116	1/4	6"
0763117	5/16	7"



Part No	Tip Size	Blade Length
0763512	#1	3"
0763513	#2	4"



- Individually insulated blade and handle provide a double level of protection with all parts being inseparable.
- Large, ergonomically designed triangular handle with a unique, soft grip surface for higher torque and greater resistance to slipping.
- Blades are made of high alloy special steel with a burnished finish, for maximum strength.
- Handles and insulation are made of a highly shock proof cadmium free plastic.
- Individually examined and tested in water using 10,000 volts to, ensure safety. Guaranteed safe to 1,000 volts.
- Examination also made under the new, more severe DIN EN 60900 and low temperature impact tested at minus 40°C .

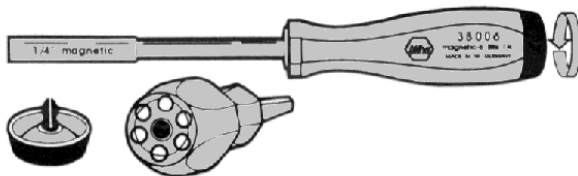


Part No	Description
0761586	6 piece set: Slotted: 5/32 x 4, 7/32 x 5, 1/4 x 6, 5/16 x 7, Phillips : #1 x 3, #2 x 4

## Magnetic Insulated 1/4" Bit Holder Screwdriver

- Insulated chrome-vanadium steel shaft, stainless steel bit holder, with impact resistant red cellulose acetate power handle .
- Rotatable bit holder and snap lock cap, includes: [3] Phillips, and [3] Slotted Bits

Part No
0760380



## Screwdrivers With Ergonomic Cushion Grip

- Hex blade, high alloy chrome-vanadium-molybdenum steel, hardened, chrome plated
- Hex bolster for additional torque
- Wiha-Chromtop finish on tips.
- Wiha-SoftFinish handle, multi-component


### Phillips

Part No	Size	Shaft Length
0760205	1	3" / 80mm
0760206	2	4" / 100mm
0760207	3	6" / 150mm




### Slotted

Part No	Size	Shaft Length
0760208	7/32	4" / 100mm
0760209	1/4	5" / 125mm
0760210	9/32	5" / 125mm
0760211	5/16	6" / 150mm
0760212	3/8	7" / 175mm



### Screwdriver Set

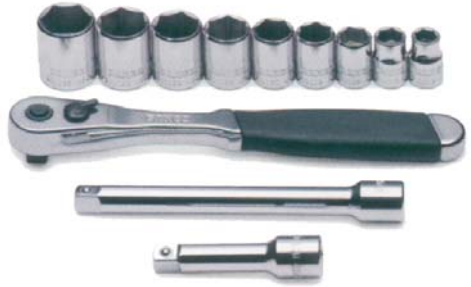
Part No	Description
0760213	Includes: Slotted 7/32, 9/32 and 5/16 Phillips 1 and 2






## Socket Set - 3/8" Drive

- Fractional sizes

Part Number	Description	
5152213	Includes 1 each of the following: Ratchet 3" Extension 6" Extension 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, and 7/8 Standard 6-Pt Sockets	


## Socket Set With Deep Sockets - 3/8" Drive

- Fractional Sizes

Part Number	Description	
5152214	Includes 1 each of the following: Ratchet 3" Extension 6" Extension 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, and 7/8 Standard 6-Pt Sockets and 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, and 7/8 Deep 6-Pt Sockets	

## Socket Set - 1/2" Drive

- Fractional sizes

Part Number	Description	
5152215	Includes 1 each of the following: Ratchet 5" Extension 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16 and 1" Standard 12-Pt Sockets	

## Nut Drivers With Ergonomic Cushion Grip

- Blade chrome-vanadium-molybdenum steel, hardened
- Deep drawn 1" socket
- Hex bolster for additional torque
- Wiha SoftFinish handle, multi component, cushion grips

### Metric Sizes

Part Number	Size (mm)	Shaft Length (mm)
0760214	5.0	125
0760215	6.0	125
0760216	8.0	125
0760217	10.0	125
0760218	11.0	125
0760219	5 Piece Set (Includes above sizes)	



### Inch Sizes

Part Number	Size	Shaft Length (Inches)
0760220	3/16	5.0
0760221	1/4	5.0
0760222	5/16	5.0
0760227	11/32	5.0
0760223	3/8	5.0
0760224	7/16	5.0
0760225	1/2	5.0
0760226	7 Piece Set (includes above sizes)	



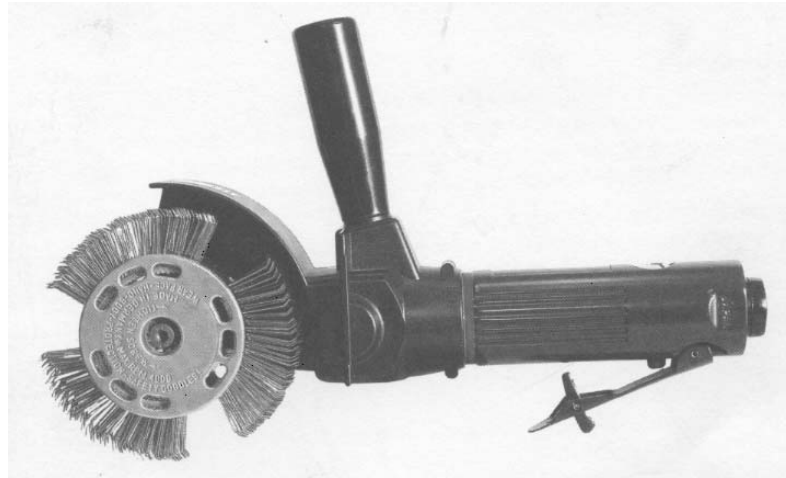
## Heavy Duty Tape Measure

Part Number	Description
5150110	25 feet



## MBX - Remove-All System for fast effective surface preparation

- Light weight 2.4 lbs, easy to control
- Runs at 3,500 rpms , will not stall or stop on sharp objects,bolts,rivets.
- Safety guard, protects eyes and hands.
- No heat / no toxic fumes
- Thin 11mm band, gets into hard to reach areas, 90° angles and sharp edges
- No clogging of wire brush



Part Number	Description	
5151000	Pneumatic Tool with 11mm Adapter, 11mm coarse belt, 11mm medium belt 11mm fine belt	

Part Number	Description	
5151100	Pneumatic Tool with 11mm Adapter, 11mm coarse belt, 11mm medium belt 11mm fine belt, 23mm Adapter, Rubber Eraser Wheel	

Part Number	Description	
5151101	Pneumatic Tool with 11mm Adapter, 11mm coarse belt, 11mm medium belt. 11mm fine belt, 23mm Adapter, Rubber Eraser Wheel, 23mm coarse belt 23mm medium belt, 23mm fine belt	

Part Number	Description	
5151200	Electric Tool with 23mm Adapter Rubber Eraser Wheel	

# APPLICATION CHART

## COARSE BELTS (BLACK)

**Coarse (black) belt --> Removal of undercoating, stone guard, seam sealer  
--> Cleaning of spot welds**

Coarse bristles chisel debris from surface and give a sand blast effect  
No grinding means no heat creation, no smoke, no fumes  
*All other products grind and produce heat*

## MEDIUM BELTS (BEIGE)

**Medium (beige) belt --> Removal of rust and corrosion**

Removal of rust - Bristle tips chisel into rust pits.  
Not necessary to grind metal down to reach the pits.  
On thin metal gives the surface a sand blast effect  
*Also available in stainless steel (blue) for working on aluminum alloys*

## FINE BELTS (GREEN)



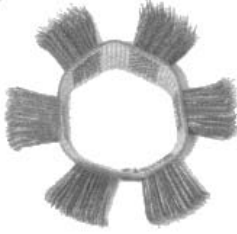

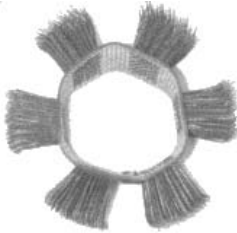

**Fine (green) belt --> Removal of paint  
--> Cleaning of gaskets**

Especially designed to use over sharp edges, holes, nuts, bolts, raised objects  
*Also available in stainless steel (blue) for working on aluminum alloys*

## RUBBER ERASER

**Rubber Eraser Wheel --> Removal of decals, pin strips, 2 sided moulding tape**


Air cushion created by centrifugal force during rotation prevents vibration, produces less heat, eliminates jumping, increases durability and efficiency.  
Turns at 3,500 rpm.

Part No	Description	Characteristics	Application Range	
5151121	23mm, Coarse Black	High-performance nylon band fabric, u-shaped anchored, spring-steel wires with flared tips, ground & hardened	Removal of undercoating and sealing compounds, paint removal. Particularly suitable for areas with weld seams, contours and edges, sand blast effect	
5151111	11mm, Coarse Black		Same as 23mm design, but especially for hard to reach areas, 90° angles	
5151122	23mm, Medium Beige	High-performance nylon band fabric, u-shaped anchored, spring-steel wires with flared tips, ground & hardened	High performance rust removal brush with excellent cleaning sand blast effect	
5151112	11mm, Medium Beige		Same as 23mm design but especially in edges and hard to reach areas	
5151123	23mm, Fine Green	High-performance nylon band fabric, u-shaped anchored, spring-steel wires with flared tips, ground & hardened	Rust removal and cleaning work, removal of seals & gaskets on grey cast iron, <b>not for aluminum and aluminum die castings</b>	
5151113	11mm, Fine Green		Paint removal, especially in contour and edge areas as well as removal of protective coatings in the folding range of repair sheets, for hard to reach areas 90° angles	
5151135	Stainless 23mm, Medium Beige	High-performance nylon band fabric, u-shaped anchored, spring-steel wires with flared tips, ground & hardened	Removal of paint and corrosion on aluminum bodies and superstructures, particularly in the riveting area for truck bodies, adapts very well to contours, sand blast effect	
5151134	Stainless 11mm, Medium Beige		Same as 23mm design, but especially for hard to reach areas, 90° angles	
5151132	Stainless 23mm, Fine Blue	High-performance nylon band fabric, u-shaped anchored, spring-steel wires with flared tips, ground & hardened	Removal of paint and corrosion on aluminum bodies and superstructures, particularly in the riveting area for truck bodies, adapts very well to contours	
5151131	Stainless 11mm, Fine Blue		Same as 23mm design, but especially for hard to reach areas, 90° angles	
5151133	Rubber Eraser	Vinyl	To remove vinyl decals, DOT tape, glue from metal surfaces, fibreglass, plate glass, wood, aluminum and OEM paint finishes. Do not use on polyethylene, polypropylene, acrylic, Lexan or plexiglass	
5151124	23mm Adapter		For use with 23mm belts and Rubber Eraser	

## Flat Bastard

- Used for rapid removal of metal
- Double cut on both sides, single cut on both edges
- Edges and surfaces taper toward the point for easier access to angles and corners


Part No	Length	Handle No
0690051	6	0690106
0690052	8	0690109
0690053	10	0690113



## Half Round Bastard

- Used primarily for concave and convex surfaces, removing weld flash, rounding out holes, removing burrs
- Double cut file with edges and surfaces tapered toward the point


Part No	Length	Handle No
0690060	10	0690109
0690061	12	0690113
0690062	14	0690113



## Mill Bastard -Two flat edges

- General purpose file used for sharpening tools; useful where smoothness is important
- Single cut surfaces are parallel; both cut edges are tapered toward the point


Part No	Length	Handle No
0690001	8	0690106
0690002	10	0690109
0690003	12	0690109



## Multi-Metal Flat

- Use for rapid removal of metals, special chipbreaker teeth reduce clogging
- Surfaces single cut, one edge single cut surfaces taper toward the point edges parallel


Part No	Length	Handle No
0690020	8	0690109
0690021	10	0690109
0690022	12	0690113



## Round Bastard

- Designed to enlarge circular holes or founded grooves
- Ideal for filing a radius on an angle weld or for mouldings
- Surfaces taper toward the point, adaptable to various size holes


Part No	Diameter	Length	Handle No
0690070	3/16	8	0690110
0690071	7/32	10	0690110
0690072	5/16	12	0690110



## Three Square

- Used to clean out square corners, and file internal angle
- Double cut with 60 degree angles between sides
- Triangular in cross section, tapers toward point


Part No	Length	Handle No
0690011	8	0690110



## Taper Saw File

- Used for sharpening saws with teeth at 60 degree angles
- Primarily circular saws, narrow band cross cut and buck saws
- Triangular in shape taper to point
- Edges cut for filing gullets between saw teeth


Part No	Type	Length	Handle No
0690030	Slim	8	0690110
0690031	Slim	10	0690110
0690086	X-Slim	8	0690104



## Round Chain Saw Files

- Specially designed to allow for sharpening roundhooded chain saw teeth
- Single cut for fast removal of material


Part No	Dia	Length	Handle No
0690083	3/16	8	0690110
0690084	7/32	8	0690110
0690085	1/4	8	0690110






## Ergonomic File Handles

Handle Part No	Use on File No.
0690104	069010, 0690086
0690105	0690050
0690106	0690001, 0690040, 0690051
0690109	0690002, 0690003, 0690020, 0690021, 0690041, 0690052, 0690060
0690110	0690011, 0690012, 0690030, 0690031, 0690070, 0690072
0690113	0690004, 0690022, 0690042, 0690043, 0690053, 0690054, 0690061, 0690062



## File Cleaner

Part Number	Description
0690089	<ul style="list-style-type: none"> <li>• One side bristles the other is a card of wire</li> <li>• Easy to use with convenient handle</li> </ul>



## Roll up File Assortment

Part Number	Description
0691478	<ul style="list-style-type: none"> <li>• Set of 5 8" files with handles. Supplied in a plastic roll-up wallet with tie.</li> <li>• Contains one file each of: hand bastard, hand second square bastard, half round bastard &amp; round bastard</li> </ul>

