



INDUSTRIAL & HARDWARE TOOLS CATALOG

91000 DRILL GRINDER**Quick, Accurate, Economical.**

Sharpens drill bits from 1/8" to 1 1/4". This includes high speed steel, straight or tapered shank and flat bottom drills.

*Economical. A real value.

*Easy to use. Instructions show you every step.

*Quick setup. Begin sharpening in minimal time.

*Fast sharpening. Completes a bit in minutes.

91000 Drill Grinder. Boxed. Shipping wt. 44 lb. 4 oz.

Patent 3,952,459

**50350 SIDE WINDER®
AIR HOSE REEL****Coil and Uncoil Your Air Hose Neatly and Quickly to Prevent Damage.**

The Side Winder Air Hose Reel provides a large 10" diameter reel to prevent tight coils in your air hose. Two built-in tool hangers keep your air chuck, blow gun or other air tools handy. The constant supply 1/4" NPT brass swivel keeps air flowing freely and handles up to 250 P.S.I. even when dispensing or winding air hose. A coil spring brake keeps reel from unrolling, yet allows easy dispensing of hose. Versatile installation — reel can be fastened in any direction — on a bench, under a bench, on a wall, from the ceiling, on a compressor or on a service truck. Base has a six hole pattern for bench mounting and a center line pattern for mounting on a stud wall. The all steel construction with durable powder baked paint finish is made to last.

Supplies 28 C.F.M. at 90 P.S.I. Reel holds 150 feet of 5/8" O.D. hose or 100 feet of 3/4" O.D. hose. Dimensions: Diameter 17 3/4", Width 11", Height 19".

50350 Air Hose Reel. Display Box. Shipping wt. 9 lb. 3 oz.**50310 Swivel Joint****50400 Handle Screw****50410 Handle**

**Air Hose and
Air Tools Not
Included.**

TWO BUILT-IN
TOOL HANGERS

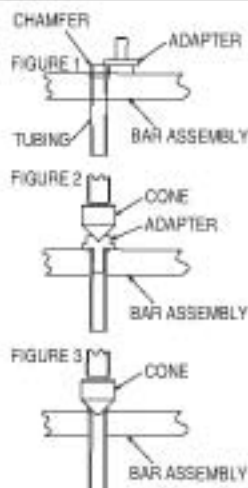
Patent Pending

31310 DOUBLE FLARING TOOL SET**Makes Both Single and Double SAE Flares.**

This tool set includes everything to flare thin wall steel, aluminum or .040 wall soft copper tubing. The set includes 5 thread dies and adapters for forming double flares on the following tubing sizes: 3/16", 1/4", 5/16", 3/8" and 1/2". However, this set is not for use on stainless steel tubing. The set is packaged in a durable, oil and grease resistant tray for storage. Full instructions are included.

31310 Double Flaring Tool Set. Skin-packed with Tray. Shipping wt. 2 lb. 1 oz.

31130 Long Bar	31180 3/8" Adapter	31200 Short Bar
31340 Cone	31370 3/16" Adapter	31380 1/4" Adapter
31390 5/16" Adapter	31400 Pusher Screw	31410 1/2" Adapter
31470 Yoke	31570 Nut	



11420 HOSE CUTTER

Cuts Flexible Hose up to 1 1/4".

The Hose Cutter will cleanly cut all types of flexible hose up to 1 1/4". The stainless steel blade is reversible for double the life. Plier is made of glass-filled nylon for strength.

11420 Hose Cutter. Skin-packed. Shipping wt. 11 oz.

11450 Replacement Blade.



Patents
D412,065
5,987,750

23000 HOSE PINCHER

Clamps And Holds Hoses Up To 3/4" I.D.

Angled jaws close to create a complete seal every time. Jaws are offset for hard-to-reach areas. The handles lock firmly to hold the jaws in a closed position. Frees both hands to do the work. Used on all flexible rubber hose. Made of glass-filled nylon for extra strength. Shipping wt. 4 oz.



Patent Pending

44000 TUBING BENDER

Bends 4 Sizes.

Easy to use with one end connected - or can be mounted in a vise. Exclusive nylon form prevents kinking or flattening. For 3/16", 1/4", 5/16" and 3/8" O.D. tubing. Not recommended for 3/8" steel.

44000 Tubing Bender. Skin-packed. Shipping wt. 15 oz.



50000 MINI-CUTTER

Smooth Nylon Action Cuts Tubing Quickly.

Easy-to-use Mini-Cutter features all nylon construction, giving you smoother, easier operation and longer tool life. Can be used in tight places right on the car. For all types of metal tubing. Handles smallest tubing to 5/8" O.D. Completely non-corrosive.

50000 Mini-Cutter. Skin-packed. Shipping wt. 2 oz. NSN 5110-00-965-0878

50050 Replacement Cutter. Shipping wt. 1 oz.



28500 STRAP WRENCH

Loosen or Tighten Cylindrical or Rectangular Objects.

Handy, self-tightening strap wrench won't slip. Works great for installing or removing timing belt sprockets or belt pulleys. Range from 1" to 6 5/8" round. Tensile strength of strap is 1350 P.S.I. Handle is made of glass-filled polypropylene which provides superior strength.

28500 Strap Wrench. Skin-packed. Shipping wt. 10 oz.



Patent Pending

13600 33850 HEX BIT SETS

Seven Piece Sets. 3/8" Square Drive.

High strength, heat-treated alloy steel bits are securely broached into chrome plated sockets. No set screws to tighten! Bit sets store in a convenient vinyl storage holder.

13600 Hex Bit Set. Skin-packed. Shipping wt. 11 oz.

33850 Metric Hex Bit Set. Skin-packed. Shipping wt. 11 oz.

ALL BITS ARE AVAILABLE INDIVIDUALLY SKIN-PACKED



13600 Fractional Individual Sizes:	
13610	1/8"
13620	3/32"
13630	3/16"
13640	7/32"
13650	1/4"
13660	5/16"
13670	3/8"

33850 Metric Individual Sizes:	
33860	3mm
33870	4mm
33880	5mm
33890	6mm
33900	7mm
33910	8mm
33920	10mm

42000 42020 42040 HEX / TORX® KEY SETS

Keys are Heat Treated Alloy Steel.

42000 Folding 9 Key Hex Set. Folded length is 3 1/2". 42020

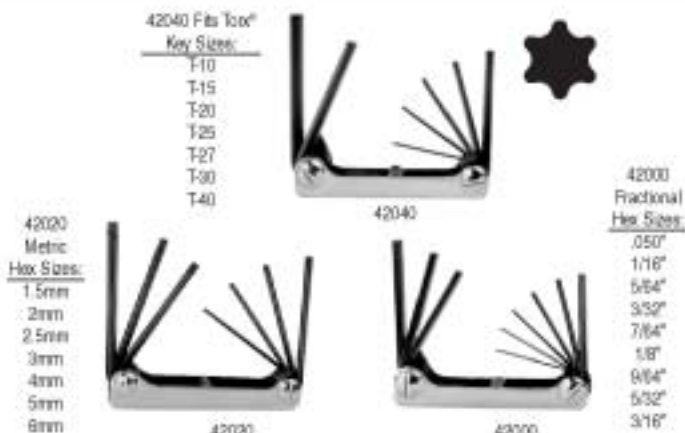
Folding Metric 7 Key Hex Set. Folded length is 3 3/4". 42040

Folding Torx® 7 Key Hex Set. Folded length is 4 1/4".

42000 Folding 9 Key Hex Set. Skin-packed. Shipping wt. 5 oz.

42020 Folding Metric 7 Key Hex Set. Skin-packed. Shipping wt. 5 oz.

42040 Folding Torx® 7 Key Hex Set. Skin-packed. Shipping wt. 8 oz.

**42150 HEX KEY SET
42300 METRIC HEX KEY SET**

In a Handy Storage Case.

42150 Standard Set includes 12 heat-treated alloy steel hex keys: .050, 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16". Also available individually.

42300 Metric Set includes 9 heat-treated alloy hex keys: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm. Also available individually.

42150 Standard Hex Key Set. Skin-packed. Shipping wt. 7 oz.

42300 Metric Hex Key Set. Skin-packed. Shipping wt. 10 oz.



Lisle Part #	Wrench Size
42160	.05
42170	1/16"
42180	5/64"
42190	3/32"
42200	7/64"
42210	1/8"
42220	9/64"
42230	5/32"
42240	3/16"
42250	7/32"
42260	1/4"
42270	5/16"

Lisle Part #	Wrench Size
42310	1.5mm
42320	2mm
42330	2.5mm
42340	3mm
42350	4mm
42360	5mm
42370	6mm
42380	8mm
42390	10mm

**42500 LONG ARM HEX KEY SET
42650 METRIC LONG ARM HEX KEY SET**

In a Handy Storage Case.

Allows for longer reach for deep socket Allen-type screws. Also increases torque.

42500 set includes 2 fractional hex keys .05" to 5/16". Heat-treated alloy steel. Also available individually.

42650 set includes 9 metric hex keys 1.5mm to 10mm. Heat-treated alloy steel. Also available individually.

42500 Long Arm Hex Key Set - Standard. Skin-packed. Shipping wt. 10 oz.

42650 Long Arm Hex Key Set - Metric. Skin-packed. Shipping wt. 13 oz.



Lisle Part #	Wrench Size
42520	5/16"
42530	1/4"
42540	7/32"
42550	3/16"
42560	5/32"
42570	9/64"
42580	1/8"
42590	7/64"
42600	3/32"
42610	5/64"
42620	1/16"
42630	.05"

Lisle Part #	Wrench Size
42660	10mm
42670	8mm
42680	6mm
42690	5mm
42700	4mm
42710	3mm
42720	2.5mm
42730	2mm
42740	1.5mm

26450 MASTER TORX® SET

34 Piece Set.

This master Torx set organizes all your Torx bits, tamper resistant Torx bits and Torx sockets in a low profile storage case with window. Shipping weight 3 lb. 4 oz.

Torx Bits		Tamper Resistant Torx Bits		Torx Sockets	
T-10	T-40	T-10	T-40	E5	E12
T-15	T-45	T-15	T-45	E6	E14
T-20	T-47	T-20	T-50	E7	E16
T-25	T-50	T-25	T-55	E8	E18
T-27	T-55	T-27	1/4" Bit Holder	E10	E20
T-30	T-60	T-30	3/8" Bit Holder		



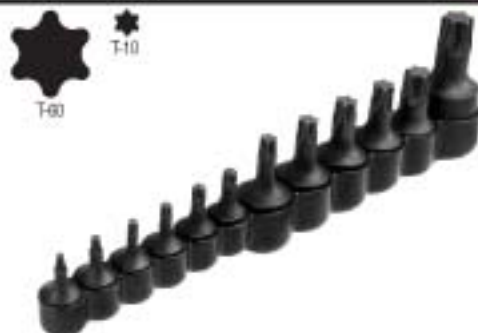
27200 TORX® BIT SET

Sizes T-10 through T-60.

All Torx® bits are made of heat-treated alloy steel. 26550 - 9 pc. . Our 27200 - 12 pc. set includes T-10 through T-50 plus the T-47, T-55 and T-60 bits. T-10 through T-30 are 1/4" drive. T-40 through T-55 are 3/8" drive. T-60 is 1/2" drive. In a convenient vinyl holder.

27200 12 Piece Torx® Bit Set. Skin-packed. Shipping wt. 15 oz.

ALL BITS ARE AVAILABLE INDIVIDUALLY SKIN-PACKED.



27200 Includes Torx® Size	Part No.
T-10	26580
T-15	26570
T-20	26580
T-25	26590
T-27	26600
T-30	26610
T-40	26620
T-45	26630
T-47	26620
T-50	26640
T-55	26650
T-60	26620

26530 MASTER TAMPER RESISTANT TORX® BIT SET

Ten Sizes, T-10 thru T-55.

Ten hex insert bits with two bit holders. Seven smallest bits are used with the 1/4" bit holder. Three largest bits are used the 3/8" bit holder. All twelve pieces come in a convenient vinyl holder. Includes Torx® sizes T-10 thru T-55.

26530 Master Tamper Resistant Torx® Bit Set. Skin-packed. Shipping wt. 7 oz.



Torx® Size	Part No.
T-10	26010
T-15	26020
T-20	26030
T-25	26040
T-27	26050
T-30	26060
T-40	26070
T-45	27580
T-50	27580
T-55	27600
1/4" Bit Holder	26080
3/8" Bit Holder	27530

26280 MASTER TORX® SOCKET SET

For External Torx Bolts.

Includes 10 sizes, E5 through E20. Made of heat-treated alloy steel. Sockets are kept in a convenient vinyl holder. Shipping wt. 1 lb.



Part No.	Torx® Size	Bolt Size
26770	E-5	#8, 4mm
26780	E-6	#10, 5mm
26790	E-7	5/16 stud
26800	E-8	#12 & 1/4", 6mm
26820	E-10	5/16", 8mm
26830	E-12	3/8", 10mm
26840	E-14	7/16", 12mm
26850	E-16	1/2"
26860	E-18	9/16", 14mm
26870	E-20	5/8", 16mm

All sockets are also available individually.

26000 TAMPER RESISTANT TORX® BIT SET

Seven 1/4" Hex Insert Bits with 1/4" Drive Bit Holder. T-10 Through T-40.

Fits tamper-resistant Torx® fasteners found on security sensitive applications.

26000 Tamper-Resistant Torx® Bit Set. Skin-packed. Shipping wt. 3 oz.



Torx® Size	Part No.
T-10	26010
T-15	26020
T-20	26030
T-25	26040
T-27	26050
T-30	26060
T-40	26070
Bit Holder	26080

37600 SUPER TORX® SET

20% Stronger than One-Piece Torx® Bits.

This set includes nine of the most popular Torx® sizes for automotive applications. The six smaller bits are 1/4" drive, and the three larger bits are 3/8" drive. The set includes T-10, T-15, T-20, T-25, T-27, T-30, T-40, T-45 & T-50 in a convenient holder. The T-47, T-55 and T-60 bits are available individually.

37600 Super Torx® Set. Skin-packed. Shipping wt. 13 oz.



Torx® Size	Drive Size	Part No.
T-10	1/4"	37610
T-15	1/4"	37620
T-20	1/4"	37630
T-25	1/4"	37640
T-27	1/4"	37650
T-30	1/4"	37660
T-40	3/8"	37670
T-45	3/8"	37680
T-47	3/8"	37690
T-50	3/8"	37700
T-55	3/8"	37710
T-60	1/2"	37720

39800 SCREW STARTER

For Phillips and Straight Slot Screws.

Start straight-slot or Phillips head screws easily in hard-to-reach places.

39800 5 1/2" Combination Phillips and Straight Slot Screw Starter, Skin-packed.

Shipping wt. 2 oz.



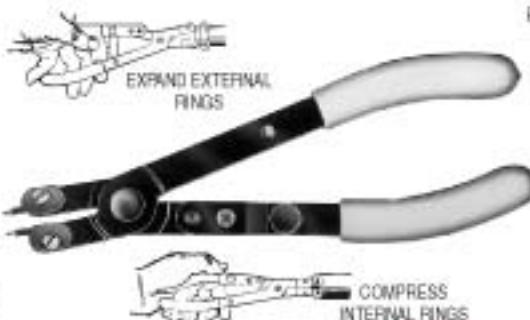
Patent 3,033,254

46000 COMBINATION INTERNAL / EXTERNAL SNAP RING PLIERS

A handy combination tool for internal and external snap rings. Compresses internal rings in one position. Move the quick-change reversing lever to expand external rings. Comes with four sets of tips in a plastic box.

46000 Snap Ring Pliers, Skin-packed, Shipping wt. 7 oz.

46250 Replacement Tip Set, Shipping wt. 1 oz.

EASY, QUICK CHANGE
REVERSING LEVER46250 Replacement
Tip Set Includes:
.045" straight tips
.060" straight tips
.045" 45 degree tips
.035" 90 degree tips

Patent 3,881,840

49200 HEAVY DUTY INTERNAL / EXTERNAL SNAP RING PLIERS

Reversible Action for Internal and External Applications.

The heavy duty plier construction and larger tips are designed for larger snap rings. The tool quickly converts from internal to external use by pivoting the handles. Tough tool easily compresses internal rings and expands external rings. Conical tip ends prevent the snap ring from slipping off the tips. Ten tip sets in a handy plastic pouch are included to fit a wide range of snap ring sizes. Tips are easily interchanged by turning a set screw.

49200 Heavy Duty Snap Ring Pliers, Skin-packed, Shipping wt. 12 oz.

49460 Replacement Tips.

49460 Tip Set
Includes:
Two Each of the
Following Sizes:
Diameter Angle
.060" 75°
.060" 15°
.075" 75°
.075" 15°
.090" 75°
.090" 15°
.100" 75°
.100" 15°
.125" 75°
.125" 15°

Patent 5,515,587

70500 TAP SOCKET SET

For Use in Restricted Areas.

Ideal for use in areas where a T handle won't fit. Set of 8 sockets fits all number and fractional M.C.T.I. standard taps thru 1/2". Also fits 1/8" NPT taps and metric taps thru 12mm manufactured to M.C.T.I. standards. Sockets contained in a vinyl holder.

70500 Tap Socket Set, Skin-packed, Shipping wt. 15 oz.



70500 Set Includes:

Lisle No.		Fits In.	Fits Metric	Shank Dia.	Sq. Size
70520	Socket #1	#1, 2, 3, 4, 6, 8	1.6, 1.8, 2, 2.2, 2.5, 3, 3.15, 3.5mm	.141	.110
70540	Socket #2	#6	4mm	.168	.131
70560	Socket #3	#10	4.5, 5mm	.194	.152
70580	Socket #4	1/4"	6, 6.3mm	.255	.191
70600	Socket #5	5/16", 7/16"	7, 8mm	.323	.242
70620	Socket #6	3/8"	10mm	.381	.286
70640	Socket #7	1/2"	12, 12.5mm	.367	.275
70660	Socket #8	1/8" NPT		.437	.328

70940 Set Includes:

Lisle No.		Fits In.	Fits Metric	Shank Dia.	Sq. Size
70880	Socket #9	5/8"	16mm	.480	.350
70880	Socket #10	1 1/16"	18mm	.542	.405
70900	Socket #11	3/4"		.590	.442

Patent 5,213,247

ALL SOCKETS ARE AVAILABLE INDIVIDUALLY.

70940 TAP SOCKET SET

Three Larger Sizes in a Convenient Set.

The three largest tap sockets, also available individually, are now packaged in a three piece set. Ideal for use where a T handle won't fit, especially in restricted areas. For larger, fractional M.C.T.I. standard taps. #9 socket is 5/8" (16mm), #10 is for 1 1/16" (18mm) and #11 is for 3/4". Sockets contained in a vinyl holder.

70940 Tap Socket Set, Skin-packed, Shipping wt. 1 lb. 4 oz.

ALL SOCKETS ARE AVAILABLE INDIVIDUALLY.

19250 STUCK BOLT, NUT, AND STUD REMOVER SET

The 6 piece set removes standard and metric bolts, nuts and studs from 1/4" to 9/16" (6mm to 14mm). Drive the proper size remover over the bolt head, nut or stud. The remover spline cuts into the bolt head or threads for a sure grip. Shipping wt. 12 oz.

19250 #1 Remover. Fits 1/4" and 6mm.

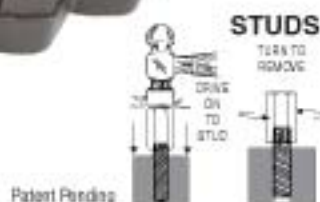
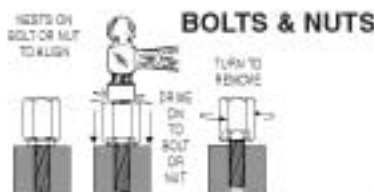
19270 #2 Remover. Fits 5/16" and 8mm.

19280 #3 Remover. Fits 3/8" and 10mm.

19290 #4 Remover. Fits 7/16" and 11mm.

19300 #5 Remover. Fits 1/2" and 13mm.

19310 #6 Remover. Fits 9/16" and 14mm.



Patent Pending

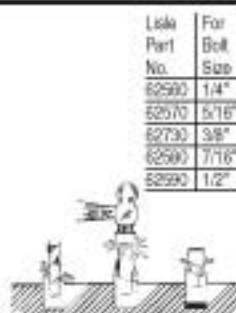
62900 SUPER OUT SET

A SUPER STRONG extractor set made of a special hardened, shock-resistant tool steel. Works on both left and right hand threads. Super Outs cut their way STRAIGHT into bolts, eliminating wedging or further tightening of frozen bolts and screws. Five extractor sizes extract 1/4" to 1/2" and larger bolts and screws.

62900 Super Out Extractor Set. Clam Shell. Shipping wt. 4 oz.



ALL BITS ARE ALSO AVAILABLE INDIVIDUALLY SKIN-PACKED



Lisle Part No.	For Bolt Size
62560	1/4"
62570	5/16"
62730	3/8"
62590	7/16"
62590	1/2"

29000 29200 30000 30200 HAND IMPACT TOOLS

Loosens Rusted, Frozen Nuts, Bolts and Screws. Unique design delivers over 200 ft. lbs. of "Shock Torque." Can be reversed to tighten. Can also be used with impact sockets!

29000 Hand Impact Tool. 3/8" sq. drive. Boxed. Shipping wt. 1 lbs. 11 oz.

29200 Hand Impact Tool Set. 3/8" sq. drive with 3/8" drive bit holder; #1, #2, #3, #4 Phillips, and 3/8" straight slot bits. Shipping wt. 2 lbs. 10 oz. NSN 5120-01-072-2956

30000 Hand Impact Tool. 1/2" sq. drive. Boxed. Shipping wt. 1 lbs. 12 oz.

30200 Hand Impact Tool Set. 1/2" sq. drive with 1/2" drive bit holder; #1, #2, #3, #4 Phillips, and 3/8" straight slot bits. Shipping wt. 2 lbs. 10 oz. NSN 5120-01-072-2956

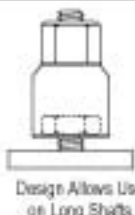


29200 IMPACT SET INCLUDES:	30200 IMPACT SET INCLUDES:
29000 3/8" Impact Tool	30000 1/2" Impact Tool
29520 3/8" Bit Holder	30150 1/2" Bit Holder
29630 #1 Phillips Bit	30930 #1 Phillips Bit
30180 #2 Phillips Bit	30190 #2 Phillips Bit
29550 #3 Phillips Bit	29550 #3 Phillips Bit
30190 #4 Phillips Bit	30190 #4 Phillips Bit
30170 3/8" Straight Slot Bit	30170 3/8" Straight Slot Bit

70350 DIE SOCKET

For Use In Confined Areas.

Use the die socket in areas where a regular die handle won't fit. For all 1" hex and 12 point dies. Set screw holds the die in place. Turn with 1/2" drive ratchet or 1" socket. Shipping wt. 10 oz.



Design Allows Use on Long Shafts
Patent Pending

30280 AUTOMATIC CENTER PUNCH

Automatic Firing Action.

Automatic action fires to create a dimple when downward pressure is applied. No hammer is needed. Works on metal, plastic, wood and other materials. Pressure can be varied by turning the knurled knob. Hardened tool steel tip is replaceable. Length 5 1/2". Shipping wt. 2 oz.

30290 Replacement Tip.



35900 LED FLEXIBLE FLASHLIGHT**LED Bulb Lasts For Up to 100,000 Hours.**

Flexible wire works around obstructions and holds the shape you give it. White light brightly illuminates even the tightest work areas. Uses 3 AAA batteries not included.

Shipping wt. 2 oz.

35910 Replacement Bulb Assembly.



Patent Pending

18700 HOT SLEEVE**Protects Arms from Burns While Working Around Hot Surfaces.**

Made of durable, heat-resistant Kevlar®. Double wall construction for added heat protection. Will protect hand and forearm from hot objects. Will work on either right or left arm. Sleeve is washable.

18700 Hot Sleeve. Bagged and Carded. Shipping wt. 3 oz.

Kevlar® is a trademark of DuPont.

**52500 MECHANIC'S STETHOSCOPE****Unique Sound Chamber and Super Thin Diaphragm Greatly Amplifies Sounds.**

Quickly pinpoints the source of noises in engines, transmissions, differentials and bearings.

52500 Stethoscope. Skin-packed. Shipping wt. 6 oz.

**20130 MAGNETIC GLOVE DISPENSER**

Magnetic glove dispenser conveniently attaches to your toolbox or any ferrous metal surface. Two large magnets hold the dispenser in place. Or, mount it on a wall using the screw slots provided. Fits all common sizes of disposable rubber glove boxes, both 50 and 100 packs. The dispenser has 3 adjusting springs which can be adjusted as necessary to hold the various box sizes. Made of powder coated steel.

Shipping weight 1 lb. 10 oz.

Available in 6 pack boxes only for product protection.



Patent Pending

12050 12060 MASTER CHUCK KEYS

Two handy chuck keys, each with 4 sizes. Both tools have strong neodymium magnets for attachment close to the work-site or toolbox. The eight different chuck key sizes cover the most popular chucks available. Cast from alloy steel for strength. 12050 Shipping wt. 4 oz. 12060 Shipping wt. 8 oz.



12050



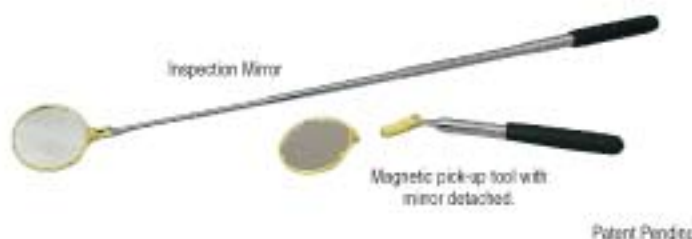
12060



Patent Pending

30680 MAGNETIC PICK-UP AND INSPECTION MIRROR

Tool doubles as a telescoping magnetic pick-up tool and an inspection mirror. Attach the mirror housing to the magnet and you have a 2 1/4" diameter inspection mirror. Remove the mirror, and you have a magnetic pick-up tool which extends from 7 3/4" to 21 1/4". Powerful magnet holds 2 lbs. Locking teeth prevent the mirror from swivelling on the magnet. Non-rotating telescopic handle firmly holds the mirror / magnet in position when extended. Shipping weight 3 oz.



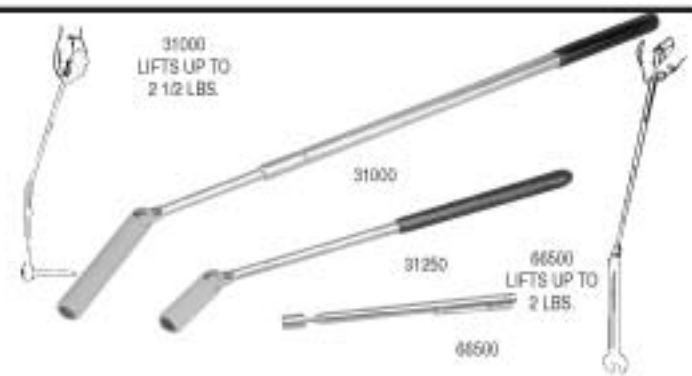
31000 31250 66500 MAGNETIC PICK-UP TOOLS

Will retrieve parts and tools from hard to reach places. Magnet shielded to concentrate magnetic field at end of tool. 31000 and 66500 have a super strong neodymium magnet. 31000 extends from 14 1/2" to 23 1/4". 31250 total length 9 1/2". 66500 telescopes from 4 1/2" - 16 1/4".

31000 Magnetic Pick-Up Tool. Skin-packed. Shipping wt. 7 oz.

31250 Magnetic Pick-Up Tool. Skin-packed. Shipping wt. 4 oz.

66500 Telescoping Magnetic Pocket Pick-Up. Skin-packed. Shipping wt. 2 oz.



40200 40210 3/8" MAGNETIC SOCKET HOLDERS

Twenty-eight socket compartments allow you to keep your 3/8" standard and deep sockets in one convenient holder. Holds sockets up to 1" or 24mm. Design leaves sockets exposed for easy identification. Powerful magnets securely hold sockets in tray, and tray to any steel surface. Made of ABS plastic. Fits most 3/8" socket sets.

40200 Large 3/8" Magnetic Socket Holder, Red. Carded. Shipping wt. 2 lb. 3 oz.

40210 Large 3/8" Magnetic Socket Holder, Green. Carded. Shipping wt. 2 lb. 3 oz.

40120 40130 1/4" MAGNETIC SOCKET HOLDERS

Twenty-six socket compartments allow you to keep your 1/4" standard and deep sockets in one convenient holder. Holds sockets up to 5/8" or 15mm. Design leaves sockets exposed for easy identification. Powerful magnets securely hold sockets in tray, and tray to any steel surface. Made of ABS plastic.

40120 1/4" Magnetic Socket Holder, Red. Carded. Shipping wt. 1 lb. 3 oz.

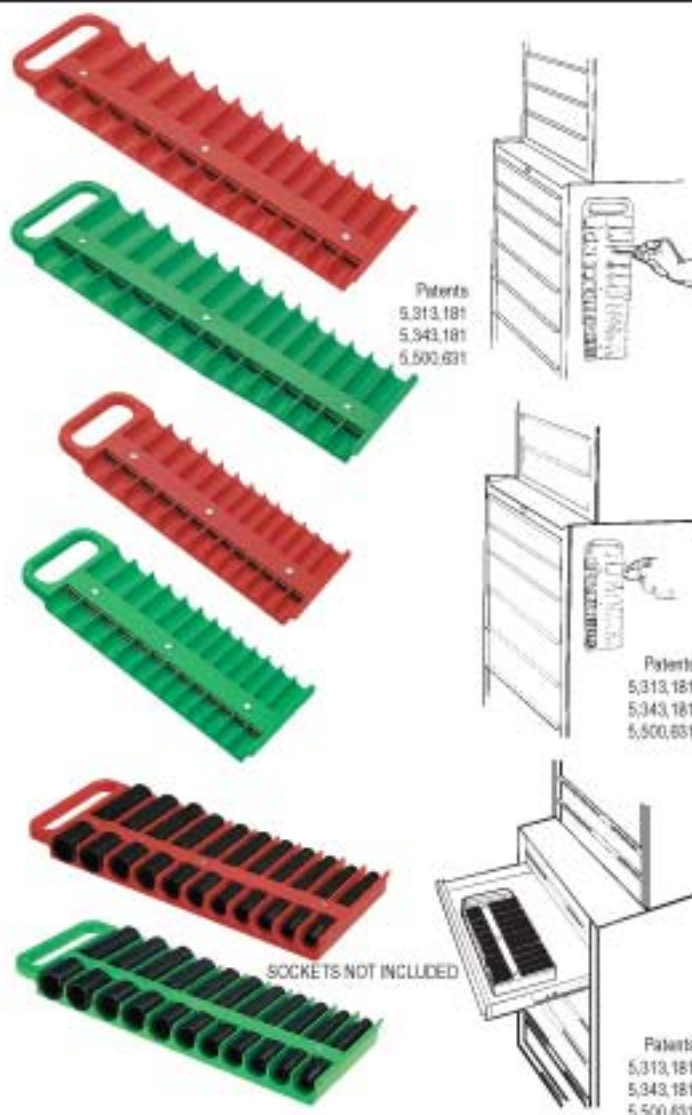
40130 1/4" Magnetic Socket Holder, Green. Carded. Shipping wt. 1 lb. 3 oz.

40900 40990 1/2" MAGNETIC SOCKET HOLDERS

Twenty-two socket compartments allow you to keep your 1/2" standard and deep sockets in one convenient holder. Holds sockets up to 1" or 20mm. Design leaves sockets exposed for easy identification. Powerful magnet holds sockets in tray. Rubber feet protect tool box from scratching. Made of ABS plastic. Made for impact socket sets.

40900 1/2" Magnetic Socket Holder, Red. Carded. Shipping wt. 2 lb. 9 oz.

40990 1/2" Magnetic Socket Holder, Green. Carded. Shipping wt. 2 lb. 9 oz.

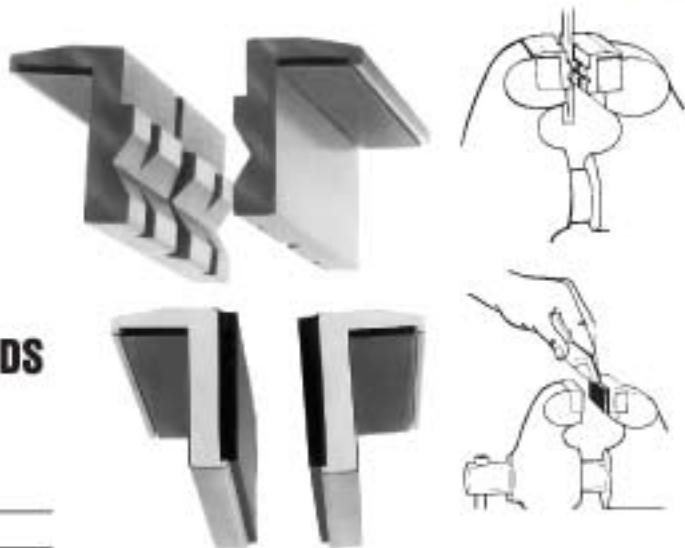


48000 ALUMINUM VISE JAW PADS

Ideal for Holding Round and Hex Parts Securely.

V-shaped aluminum surface holds and helps protect round or hex parts. Specially designed ledge supports flat parts while clamping. Strong nitrile magnets will attach to any steel vise jaws.

48000 Aluminum Vise Jaw Pads. Skin-packed. Shipping wt. 7 oz.

**48100 RUBBER FACED VISE JAW PADS**

For Protecting Delicate Parts.

Rubber jaw pads protect delicate parts from damage. Also works great for holding irregular shapes. Strong nitrile magnets attach to any steel vise jaw.

48100 Rubber Faced Vise Jaw Pads. Skin-packed. Shipping wt. 7 oz.

51000 HEAVY DUTY SCRAPER

Sharp Steel Blade Quickly Peels Off Carbon, Sludge.

Sharp, hardened steel blades remove carbon, old gasket material, adhesives, sludge and other hard-to-clean substances from blocks, heads, etc. Comes with three blades. 1", 1 1/2" and 2" widths. Tool will hold single edge razor blade for stickers and decals.

51000 Heavy Duty Scraper. Skin-packed. Shipping wt. 7 oz.

REPLACEMENT
BLADES
PART NO. | SIZE

51120	5x 1" blades
51130	5x 1 1/2" blades
51140	5x 2" blades

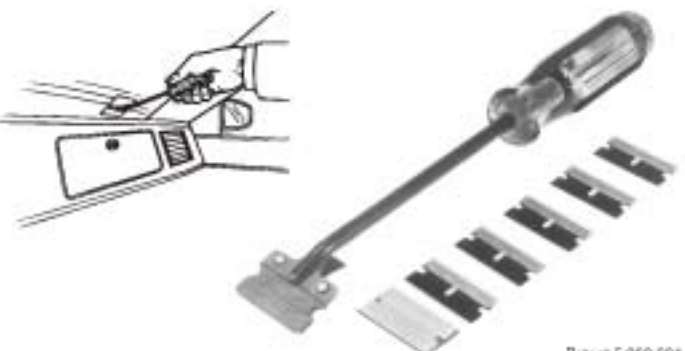
**52000 RAZOR BLADE SCRAPER**

At last, a scraper that is designed to reach in tight places. Comes with five stainless steel blades for removing stickers and decals. Also comes with a plastic blade for use on safety plastic laminated windshields to prevent scratching. Spring-release allows easy interchange of blades. Reverse blade in holder for storage. Hollow handle stores all blades when not in use.

52000 Razor Blade Scraper. Skin-packed. Shipping wt. 7 oz.

51320 Replacement Blades. 5 piece set stainless steel blades.

52080 Replacement Blades. 5 piece set plastic blades.



Patent 5,208,664

52150 100 PACK OF RAZOR BLADES

Convenient Pack of Standard Razor Blades.

Contains 100 stainless steel, single edged razor blades. Pack is resealable for organized storage. Fits all standard razor blade tools, including Lisle 52000 Razor Blade Scraper.

52150 100 Pack of Razor Blades. Clam Shell Package. Shipping wt. 12 oz.

**52400 FOLD-UP SCRAPER**

Blade Folds Into The Handle For Safe, Convenient Storage.

The fold-up scraper features three arm positions and a slant-blade for proper scraping. Great for removing decals, stickers, labels, etc. The quick change blade holder firmly holds a single edge razor blade. Includes 1 single edge razor blade. Overall length 7 3/4".

Shipping weight 4 oz.



Locks in Three
Different Positions.

Patent 5,208,664

14020 2 1/2" WIRE CUP BRUSH

Removes weld scale, rust, paint and corrosion from metal surfaces. Brush also gives an excellent surface for painting. Made with .014 carbon steel wire and designed for light duty use with an electric drill. Maximum safe free speed is 4500 RPMs.

14020 2 1/2" Wire Cup Brush. Skin-packed. Shipping wt. 5 oz.



14040 14060 1" WIRE END BRUSHES

For Light to Heavy Duty Work When Space is Limited.

Made with .020" industrial heat tempered wire. Use with portable electric and air tools. 20,000 RPM maximum safe free speed. 14040 knot end brush for heavy duty use. Excellent for baked on gaskets. 14060 crimped end brush for light to heavy work. Cleans dirt and carbon from metal surfaces.

14040 1" Knot Wire End Brush. Skin-packed. Shipping wt. 4 oz.

14060 1" Crimped Wire End Brush. Skin-packed. Shipping wt. 4 oz.



14160 SCRATCH BRUSH

Removes rust, scale, paint and solder from metal surfaces. Also great for cleaning threads and files. Brush has 5 1/2" of densely packed wire bristles and a hardwood handle. Overall length is 14".

14160 Scratch Brush. Skin-packed. Shipping wt. 7 oz.



14180 SHOE HANDLE WIRE SCRATCH BRUSH

Removes rust, scale, paint and solder from metal surfaces. Also great for cleaning threads and files. Brush has 4 1/2" of densely packed wire bristles and a hardwood handle. Overall length 9 3/4".

14180 Shoe Handle Wire Scratch Brush. Skin-packed. Shipping wt. 7 oz.



28400 HEAVY DUTY CIRCUIT TESTER

Quickly Tests Low Voltage up to 28 Volts.

A heavy duty circuit tester for lifetime use. The probe, handle, cord and clamp are reinforced for extra durability. Comes with a strain relief spring on the cord.

28400 Heavy Duty Circuit Tester. Skin-packed. Shipping wt. 7 oz.

28440 Replacement Bulb. Shipping wt. 1 oz.



92102 93102 94102 Low Profile Plastic Creepers

Our Most Durable Creepers.

This body-fitting design was developed through testing on many body types to provide optimum comfort. Urethane rollers are inserted into steel bushings which are molded into the creeper body. Provides added strength and easy roller replacement. Low profile, 7/8" floor clearance. Easy to clean surface is resistant to solvents, greases and fuels. Dimensions: Length 38", Width 17 1/2", Height 4". Creeper body is fully warranted.

92102 Red Plastic Creeper. Boxed. Shipping wt. 11 lbs. 12 oz.

93102 Yellow Plastic Creeper. Boxed. Shipping wt. 11 lbs. 12 oz.

94102 Blue Plastic Creeper. Boxed. Shipping wt. 11 lbs. 12 oz.

92132 2" Pop-in Wheel for Plastic Creeper.

96412 Headrest.



Patent D406,884
Patent Pending

96302 42" Padded Low Profile Steel Creeper

Our most comfortable creeper. A fully padded creeper on a 42" tubular steel frame. Pad is made of heavy-duty vinyl and offers maximum comfort. Comes with four 2" ball bearing wheels.

96302 42" Padded Low Profile Steel Creeper. Packed 1 per box.

Shipping wt. 14 lbs. 8 oz.

96132 2" Wheel. Shipping wt. 6 oz.

96322 Replacement Padded Board and Headrest.



Patents 5,174,500
5,330,269

98302 98702 Creeper Seats

With 2" Rubber Wheels.

These creeper seats are equipped with 2" wheels. Gives user a much smoother ride. Just right for all kinds of low work. Big 14" x 18" lower shelf for tools, test equipment, parts, etc. Model 98702 features a fully padded seat.

98302 Lo-Boy Creeper Seat with 2" Wheels. Packed 1 per box.

Shipping wt. 12 lbs. NSN 4940-00-357-7207.

98702 Padded Lo-Boy Creeper Seat with 2" Wheels. Packed 1 per box.

Shipping wt. 12 lbs. 6 oz. NSN 4910-01-097-1012.

97112 2" Wheel. Shipping wt. 6 oz.

98712 Padded Seat Board. Shipping wt. 1 lb. 4 oz.



19772 1 QUART SPRAY BOTTLE

Industrial sprayer for use with light oils, solvents, and detergents. The durable polyethylene bottle is impervious to high and low temperatures. The trigger mechanism is resistant to damage caused by caustic materials.

19772 1 Quart Spray Bottle. 1 per Pack. Shipping wt. 4 oz.

32 per Master Pack. Shipping wt. 10 lb. 15 oz.



17912 55 GALLON DRUM DRAIN FUNNEL

Designed to transfer liquids into a 55 gallon drum. The funnel drain sits on the top cover of 55 gallon drums. The funnel snout fits into the top bung hole for draining purposes. Four graduated circular indentations fit different oil filter sizes.

17912 55 Gallon Drum Drain Funnel, 8 per Master Pack. Shipping wt. 24 lb. 12 oz.



17922 MULTI-DRAIN TUB

30 quart, heavy-duty, all-purpose plastic drain tub. Designed for easy pouring and disposal. The apron facilitates washing and sorting parts. Dimensions 33" x 22" x 8".

17922 Multi-Drain Tub, 6 per Master Pack. Shipping wt. 27 lb. 12 oz.



17932 6 QUART DRAIN PAN

Plastic drain pan with pour spout. The pan is 4" deep, 14" wide to the spout.

17932 6 Quart Drain Pan, 50 per Master Pack. Shipping wt. 29 lb. 8 oz.



17942 17952 4.5 GALLON OIL DRAIN PANS

For easy transfer of liquids. High-density polyethylene material is resistant to chemicals and solvents, and is easy to clean. 1" wide diameter spout for quick and easy pouring. The anti-splash lip and baffles help prevent spilling when carrying or pouring. Comes with large, easy-grip handles. Two colors: 17942 is black and 17952 is green.

17942 4.5 Gallon Oil Drain Pan, Black, 8 per Master Pack. Shipping wt. 18 lb. 8 oz.

17952 4.5 Gallon Oil Drain Pan, Green, 8 per Master Pack. Shipping wt. 18 lb. 8 oz.



17942



17952

19722 CATCH-ALL DRIP PAN

Ideal for use on showroom floors, garages, carports, or under equipment. Made of durable polyethylene material to assure longevity and flexibility. Holds 8 quarts. Dimensions are 24" x 36" x 1 1/2".

19722 Catch-All Drip Pan, 12 per Master Pack. Shipping wt. 27 lb.



19732 19752 6 QUART OIL DISPENSERS

Translucent (see through) polyethylene material enables the user to read the liquid level on the container. Marked in both quarts and liters. The flexible 8" pouring spout enables easy transfer of liquid. The 19732 spout is white. The 19752 spout is red.

19732 6 Quart Oil Dispenser, White Spout, 6 per Master Pack.

Shipping wt. 6 lb. 14 oz.

19752 6 Quart Oil Dispenser, Red Spout, 6 per Master Pack.

Shipping wt. 6 lb. 14 oz.



19732



19752

21600 RIGHT ANGLE GREASE GUN ADAPTER**Reach Inaccessible Grease Zerk.**

Attach to any standard grease gun to reach confined areas. Greases teh serk from the side to avoid obstructions. Shipping wt. 5 oz.

21620 Piston.



Patent Pending

31840 "O" RING AND SEAL PICK**Quickly Removes and Installs "O" Rings and Seals.**

Tips are angled for hard-to-reach areas typically found around brakes, air conditioning and transmissions. Tips are hardened to stay sharp. Handle is knurled for a sure grip.

31840 "O" Ring and Seal Pick. Skin-packed. Shipping wt. 2 oz.

**34550 HANDY PACKER[®] BEARING PACKER****Quickly Flushes Out Old Grease and Repacks Bearings with Less Mess.**

The Handy Packer works on bearings up to 3 1/2" O.D. The grease stays in the tool cavity, not on your hands. To pack a bearing, place the bearing on the piston. Press down on the cap until the old grease is forced out and the new grease shows on top of the bearing. Shipping wt. 1 lb. 4 oz.

**56750 SEAL PULLER****For Oil and Grease Seals.**

Simply insert the tip of the tool behind the oil or grease seal, press and pull. Leverage works for you. Two size tips reach in and fit nearly all seal applications.

56750 Seal Puller. Skin-packed. Shipping wt. 15 oz.

**65250 UNIVERSAL BEARING PACKER****Fast, Efficient, Thorough.**

Simply place the bearing between the plastic cones, tighten, and apply grease through the fitting on the end of the threaded shaft. Forces out old grease and evenly injects fresh grease. Cone diameter is 4 1/2".

65250 Universal Bearing Packer. Skin-packed. Shipping wt. 7 oz.



10000 10500 SMALL CYLINDER HONES

10000 3-Stone Hone Fits Cylinders 27/32" to 2" (21.4-50.8mm). **10500 2-Stone Hone Fits Cylinders 11/16" to 2 1/2" (17.4 - 63.5mm).**

Controlled pressure makes it possible to polish or hone with just one stone grit. Square ends of stones hone to the end in step-cut and blind-end cylinders. 240 grit stones are 1 1/8" long. Flexible driver. Shipping wt. 3 oz. on each hone.

10000 Three-Stone Utility Model Cylinder Hone. Range 27/32" to 2". Skin-packed.

10050 Set Replacement Stones for 10000. Skin-packed. Shipping wt. 1 oz.

10500 Two-Stone Cylinder Hone. Range 11/16" to 2 1/2". Skin-packed.

10550 Set Replacement Stones for 10500. Skin-packed. Shipping wt. 1 oz.



Patent 2,736,146

15000 ENGINE CYLINDER HONE

Micrometer head assures accuracy in feeding. Expands quickly to cylinder size with fast action rack and pinion. Bottom guard plate helps prevent stones from accidentally hitting the crankshaft. Universal joint action makes grinding of back cylinder easy. Clip-on stones and wipers are easily changed in a few seconds. Stones are available in five grits. Use with heavy-duty 1/2" drill. Standard range 3" to 4 1/4". Big range (2 3/4" - 10 1/4") with additional rack sets and stone sets. Long 5" stones cut faster, more accurately.

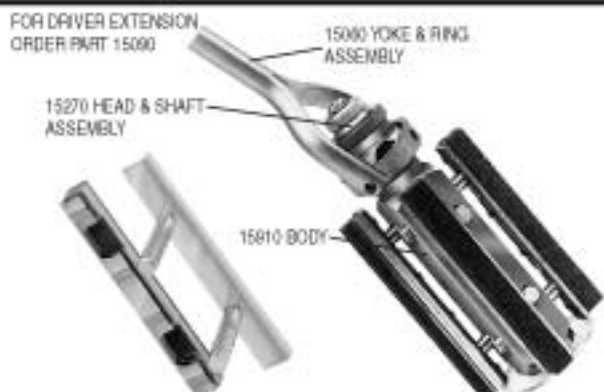
15000 Engine Cylinder Hone Set. NSN 4910-00-554-9245. Shipping wt. 6 lb. 2 oz.

Includes the following: Cylinder hone body with 1 set of 15540 standard range rack (range is 3" to 4 1/4"). 1 set each of 15500 coarse stones and 15510 medium stones, cleaning brush and dressing paddle in a sturdy storage case.

15500 Stone/Wiper Set. NSN 4910-00-348-2681

15510 Stone/Wiper Set. NSN 4910-00-348-2685

See chart for rack sets and stone and wiper sets available. All stone and wiper sets consist of two stones and two wipers. Order by part number. All are 5 inches long, and weigh 7 oz.



Cylinder Size Range	Rack Set Part No. Weight	Stone and Wiper Set Part Numbers				Special Hard Bond for Steel 150 Grit
		80 Grit	100 Grit	280 Grit	500 Grit	
2 3/4" - 3 3/4" (69.8 - 89.1mm)	15550 1 lb.	15600	15630	15700	---	---
3" - 4 1/4" (76.2 - 108mm)	15540 1 lb. 2 oz.	15500	15510	15520	15600	15490
4" - 6 1/4" (100 - 158mm)	15530 1 lb. 6 oz.	15500	15510	15520	15600	15490
6 1/8" - 10 1/4" (155 - 260mm)	15590 1 lb. 14 oz.	15500	15510	15520	15600	15490

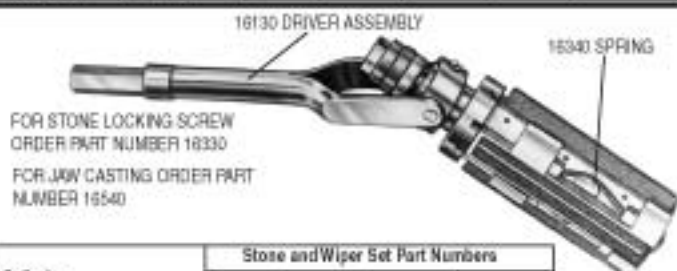
16000 SMALL CYLINDER HONE

Trues Up Worn Cylinders.

Precision built for small cylinders. Stones are 3 1/2" long, assuring unusual accuracy. Stones cover full range, are easily changed, and available in four grits. Comes complete with 16410, 16420 and 16430 medium grit stone sets in sturdy storage case. For 1 3/4" to 2 3/4" (44.5 - 69.9mm) cylinders.

16000 Small Cylinder Hone. Range 1 3/4" to 2 3/4". Shipping wt. 4 lbs. 10 oz.

See chart for rack sets and stone and wiper sets available. All stone and wiper sets consist of two stones and two wipers. Order by part number. All are 3 1/2 inches long, and weigh 3 oz.



Cylinder Size Range	Stone and Wiper Set Part Numbers			
	80 Grit	160 Grit	280 Grit	For Alum.
1.75" - 2.25" (44.5 - 55.9mm)	16440	16410	16380	16470
2.06" - 2.50" (52 - 63.5mm)	16450	16420	16390	16480
2.35" - 2.75" (59.5 - 69.9mm)	16460	16430	16400	16490

23500 STONE-TYPE GLAZE BREAKER

Full 2" to 7" Range (50.8 - 177.8mm).

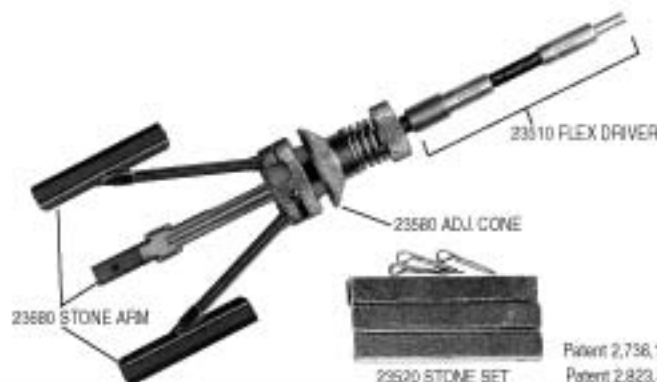
Controlled pressure assures positive, adjustable contact through full range. Operates with any electric drill. Furnished with 3" long 220 grit stones, see below for other grits. Adjustable stop collar permits quick selection of two range settings, from 2" to 4" and from 4" to 7". Stone arms are easily compressed to eliminate cylinder scratches.

23500 Glaze Breaker. Range 2" to 7". Skin-packed. Shipping wt. 1 lb. 5 oz.

23520 Set Replacement Stones, 220 grit. Skin-packed. Shipping wt. 3 oz.

23530 Set Special Hard Stones, 240 grit. For use after re-boring only.

23540 Set Replacement Stones, 320 grit. Use when installing moly rings.



Patent 2,736,146

Patent 2,823,467

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