AESINDUSTRIES



FOR ALL YOUR
REFINISHING NEEDS



HVLP SPRAY GUNS

HVLP GRAVITY FEED COLOR-COAT PRODUCTION SPRAY GUN & CUP

Fast working speed, wide fan pattern. High transfer efficiency means reduced spray mist. Includes a stainless steel needle and fluid tip for use with waterbase paints.

Stock No. 507



MINI HVLP GRAVITY FEED SPRAY GUN

High transfer efficiency means reduced spray mist for a significant reduction in operating costs. Includes stainless steel needle and fluid tip (for use with waterbase paint) and a translucent 250ml non-drip plastic paint cup. Complies with all HVLP mandates.

Stock No. 504

CHOOSE FROM .8mm & 1.0mm SPRAY NOZZLE SET-UP



2 QT. HVLP PRESSURE SPRAY OUTFIT

Complete spraying outfit with a large 2-qt. cup for longer spraying time for quality finishes. Individually boxed.

Stock No. 585



GRAVITY FEED SPECIALTY GUNS

PRODUCTION GUN & CUP

These guns feature three built-in regulators to control air flow, paint flow and material width. Fully balanced to reduce fatigue.

500ml capacity plastic paint cup.

Stock No. 150

CHOOSE FROM
1.3mm, 1.4mm, 1.5mm,
1.7mm, & 2.0mm.
SPRAY NOZZLE SET-UP



250ml capacity plastic paint cup.

Stock No. 155

CHOOSE FROM 8.0mm, & 1.0mm SPRAY NOZZLE SET-UP

GRAVITY FEED

SPRAY GUN
Features 3 built in
regulators to control
paint flow, air flow
and material width.
Ideal for high-gloss finish
on vehicles, machinery,
appliances and furniture.
Choose from two
different nozzle sizes.

Stock No. W-71

SWIVEL CUP

CHOOSE FROM 1.3mm or 1.5mm SPRAY NOZZLE SET-UP

TRANSLUCENT CUP ASSEMBLIES

250-ml (Plastic)

Stock No. 155-11

500-ml (Plastic)

Stock No. 151

600-ml (Nylon)

Stock No. 158

GRAVITY FEED CUP ASSEMBLIES Fit all standard gravity feed spray gun models.

Aluminum Cup Assemblies



0.25-Liter Stock No. 154 0.6-Liter Stock No. 152 1-Liter Stock No. 153

ALUMINUM CUP ASSEMBLIES WITH TWIST-LOCK METAL LIDS





0.6-Liter

Stock No. 157

1-Liter

SIPHON FEED SPRAY GUNS



PROFESSIONAL SPRAY GUN WITH DRIPLESS CUP Designed for heavy duty spraying of all refinishing

materials, including enamels, urethanes, acrylics, lacquers, primers, stains and varnishes. Includes one-quart cup.

Stock No. FR-103

PROFESSIONAL SPRAY GUN WITH **DRIPLESS CUP**

High production spray gun is designed for heavy duty automotive spraying of all refinishing materials including urethanes, enamels, lacquers, primers, stains, acrylics and varnishes. The one-quart cup features an internal breather tube for dripless spraying.

Stock No. 102

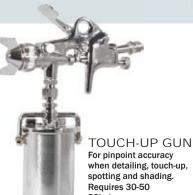


GRAVITY FEED SPRAY GUN WITH 250ML CUP

Economical mini detailing spray gun is well balanced for easy handling and accurate spraying.

Stock No. R-2





For pinpoint accuracy

when detailing, touch-up, spotting and shading. Requires 30-50 PSI air pressure. Individually boxed.

Stock No. 128



1-QT. DRIPLESS CUP ASSEMBLY WITH INTERNAL **BREATHER TUBE**

One quart capacity cup, 3/8" attachment thread, universal replacement for all leading spray guns; aluminum construction with internal breather tube. Individually boxed.

Stock No. 103-D



UNIVERSAL 1-QT ALUMINUM CUP

One quart capacity cup; aluminum construction. Individually boxed.

Stock No. 103-CO



8-OZ. TOUCH-UP GUN CUP ASSEMBLY 8-oz. siphon feed aluminum cup for AES 128 Touch Up Gun. Individually boxed.

Stock No. 128-1

1-QT. DRIPLESS **CUP ASSEMBLY** WITH EXTERNAL **BREATHER TUBE**

One quart capacity cup, 3/8" attachment thread, universal replacement for all leading spray guns; aluminum construction with external breather tube. Individually boxed.

Stock No. 103-NC



PLASTIC 1-QT. PAINT CUP WITH STORAGE LID

Graduated translucent body allows easy measuring, mixing and the lid keeps paint fresh until it's ready to use. Fits most foreign and domestic spray guns. 6 per box.

Stock No. 104-1



2-QUART **PRESSURE** SPRAY OUTFITS

2 QT. CUP, GUN & HOSES

Complete spraying outfit with large 2-qt. cup for longer spraying time to provide higher quality finishes. Individually boxed.



INDIVIDUAL ACCESSORIES

Stock No. 509-1	Spray Gun Only
Stock No. 509-2	2-Qt. Cup Assembly
Stock No. 509-3	2-Qt. Cup Only
Stock No. 509-4	Pressure Regulator
Stock No. 509-5	Air Hose (red)
Stock No. 509-6	Paint Hose (black)
Stock No. 509-7	Cup gasket

2QT. PRESSURE CUP, **GUN & HOSES**

Complete spraying outfit with a large 2-qt. cup for longer spraying time for quality finishes. Individually boxed.



INDIVIDUAL ACCESSORIES

Stock No. 508-1	Spray Gun Only
Stock No. 508-2	2-Qt. Cup Assembly
Stock No. 508-3	2-Qt. Cup Only
Stock No. 508-4	Pressure Regulator
Stock No. 508-5	Air Hose (red)
Stock No. 508-6	Paint Hose (black)
Stock No. 508-7	Cup gasket

COMPLETE 21/4 GALLON SPRAY OUTFIT

2¼ GAL. PRESSURE TANK, GUN & HOSES

Large pressure tank holds nine times as much paint as the standard one-quart cup. Includes regulator and gauge, two 12-ft hoses and pressure spray gun.

Stock No. 503



INDIVIDUAL ACCESSORIES

Stock No. 503-G	Spray Gun only
Stock No. 503-H	2-pc. 12-ft hose set
Stock No. 503-P	21/4 Gal Pressure Tank
Stock No. 503-R	Tank Gasket
Stock No. 503-RG	Pressure Regulator
Stock No. 1114	Pressure Gauge

21/4 GAL. PRESSURE TANK ONLY

Large pressure tank includes regulator and gauge, safety valve, fluid outlet and hang up hook. Pressurizes up to 80 PSI.

Stock No. 503-P



PRESSURE POT HOSES Designed to fit AES 503 and other brands of pressure tanks and spray gun outfits.





25' x 1/2" Air Hose Stock No. 503-A

50' x 1/2" Air Hose

Stock No. 503A-50

25' x 5/8" Fluid Hose Stock No. 503-F

50' x 5%" Fluid Hose

Stock No. 503F-50

21/4 GALLON **ROLL-AROUND** PRESSURE POT

Spray up to 9 quarts of paint without having to stop to move the pressure pot. Equipped with four smooth-rolling casters which allow the pressure pot to "tag along" with minimal pulling

Stock No. 501

Replacement Gasket

Stock No. 501-R



ROLL-AROUND PRESSURE PAINT POTS WITH MANUAL PAINT AGITATOR

2½ GALLON

Stock No. 514

5 GALLON

Stock No. 524

10 GALLON

Stock No. 534





PRESSURE PAINT POT WITH AIR AGITATOR

Complete with paint tank, pneumatic motor, air regulator, safety valve, outlet valve, paint outlet, inner tank, 4 casters. Seamless steel body construction of pressure tank for durability and for easy cleaning.

- · Actuated by air motor
- Pressure Regulator: 1
- Fluid Outlet: 2
- · Removable tank liner

Air-actuated paint-stirring keeps paint from depositing at the tank bottom. Professional use for large area coverage in spray booths, garages, workshops, etc.

Stock No. PT-02AU 5 Gal Tank Stock No. PT-03AU 10 Gal Tank

AIRBRUSH KITS



DUAL ACTION-GRAVITY FEED AIR BRUSH

The micro air control valve enables infinite control of the airflow. The easy access cutaway handle enables the user to pull back the needle chucking nut for a quick and easy clean-up.

- · Nozzle: 0.23mm
- · Cup capacity: 9ml
- · Working pressure: 15 50psi

Stock No. EW-770



NEW



AIRBRUSH KIT

- · Most popular airbrush recommended for beginners due to its versatility and ease of use
- · Also great for artists to find many practical uses for sturdy and adaptable airbrush
- · Siphon-feed model makes it easy to interchange bottles of specific color
- Kit includes quality airbrush, 5 ft. braided nylon hose, 22 ml glass paint jar with cover (2pcs), hand wrench, mountable airbrush holder

Stock No. EW-1000

AIR BRUSH KIT

- Spray pattern adjusts from ½" to 1½"
 Includes fine head airbrush, 5ft vinyl hose, 2 jars, propel regulator and adaptor (1/4" air hose from the compressor to the smaller air brush hose)
- Operating Pressure: 15-50 PSI

Stock No. EW-110





DUAL ACTION-GRAVITY FEED AIR BRUSH

- Superb atomization & incredible control.
- Dual action trigger.
- Nozzle: 0.23mm
- Cup capacity: 7ml
- Working pressure: 15 50psi



NEW

Stock No. EW-550

PISTOL TYPE GRAVITY FEED AIRBRUSH KIT

- · Pistol grip for comfort in special working condition.
- includes: pistol type air brush,5ft. vinyl hose (one end 1/4" female and another end M5x0.5 female), 20ml. plastic jar, propellant can regulator, adaptor (for 1/4" air hose from air compressor to smaller air brush hose)
- Adjustable pattern.
- Feed Type: Gravity
- Standard nozzle: 0.5mm Working Pressure: 15-50 PSI
- Stock No. EW-2000



DUAL ACTION AIR BRUSH KIT

Carrying case included. Also includes: 6ft PVC hose, lockable push button control, (2) x 22 cc glass jars, 5cc metal cup, 1/4" regulator, internal mix.

Stock No. EW-220





AIRBRUSH KIT

For the craftsman or hobbyist. Kit includes adaptors for use with air compressor or cans of propellant. Kit includes precision air brush gun, 5-ft. air hose, wrench, 2 glass paint jars and propellant regulator cap.

EXTERNAL-MIX AIRBRUSH KIT

Great for the handyman, craftsman, hobbyist & the "Do It-Yourselfer". Includes a fine head assembly single-action airbrush, 5-ft. vinyl air hose, 2-oz. jar with lid, 3/4-oz. jar with adaptor lid, propellant can, propellant regulator and head wrench. Instructions included. Double-blister packed.

Stock No. 131



PROFESSIONAL INTERNAL-MIX AIRBRUSH KIT

Dual action airbrush kit includes 1/4-oz. free-standing color cup for small volumes, ¾-oz. color cup, 2-oz. jar, cover wrench, hose adaptor, 6-ft. vinyl hose and mountable airbrush holder. Medium head. Packed in foam padded storage box.

Stock No. 132



HOBBY AIR BRUSH KIT

Lightweight air brush sprays oil and water-base paints, enamels and lacquers. . Single-action external mix gun operates on 15-50 PSI. Spray pattern adjusts from 34" to 2". Kit comes complete with a 3/4 oz. jar, 1/4" pipe adaptor and a propellant can regulator.

Stock No. 130



INDIVIDUAL ACCESSORIES



11-OZ. CANNED PROPELLANT Compressed air in a can allows the airbrush artist to operate anywhere.

Stock No. 131-1

QUICK-RELEASE AIRBRUSH HOSE

6 1/2-ft. hose features a 1/4" NPT fitting for easy attachment to air source and built-in 1/8" quick-release fitting for use with any airbrush.

Stock No. 132-10



NEW

RECOIL NYLON AIR HOSE

- Diameter : 6 x 4mm Length: 10'
- Adaptor: ½8"

Stock No. ABH-002





BRAIDED NYLON AIR HOSE

- Diameter: 7.5 x 4.5mm
- Length: ½" x 10'
 Adaptor: ½" ½" x 40

Stock No. ABH-001



AIR BRUSH HOLDER

- · Easy to clamp on table
- · Swivel top holder for air brush
- · Special insert holder for top and side detachable cup air brush

Stock No. 137

NEW

GRAVITY FEED SPRAY GUN HOLDERS

ASSORTED CUP GASKETS



AIR PAINT SHAKER

Ruggedly constructed of steel and aluminum. Rubbercoated jaws hold pint, quart and gallon cans securely. Will not loosen while shaking. Includes in-line oiler.

Stock No. 9000

PAINT SHAKER STAND

Save precious bench or table space by securely mounting your paint shaker on this steel stand. Includes all necessary hardware for secure mounting.

Stock No. 9001



UNIVERSAL GRAVITY FEED SPRAY GUN STAND

Totally portable and convenient way to stand your top-mount or side-mount gravity feed gun while keeping the paint cup level. Economical, lightweight and sturdy.

Stock No. 168



MOUNTABLE SPRAY GUN & PAINT STRAINER STAND

Portable or mountable gun stand with the addition of a paint strainer holder. Provides total convenience when refilling gravity feed spray guns. 15" height.

Stock No. 150-HS

HEAVY DUTY MOUNTABLE SPRAY GUN & PAINT STRAINER STAND

Durable steel construction. Use as a portable unit or mount on any horizontal or vertical surface. The paint filter stand lines up with the paint cup of the resting gun, leaving hands free for mixing and pouring paint. Overall height 17".

Stock No. 162



MAGNETIC SPRAY GUN HOLDER

Easily holds gravity feed spray gun with one quart of paint anywhere there is a vertical metal surface.

Stock No. 165



WALL-MOUNT GRAVITY FEED GUN HOLDER

Strong steel construction; mounts on any vertical surface and holds all standard gravity feed guns

Stock No. 160

3-GUN HOLDER WITH PAINT FILTER STAND

Designed for conveniently holding and filling up to 3 gravity feed spray guns at one time. Paint filter holder rotates to aid in filling paint cups with minimal effort. Durable steel construction; approx. 18" tall.

Stock No. 164



CARDED LEATHER CUP GASKETS



Stock No. 222

Fits Binks (6 pcs. per card)

Stock No. 224

Fits DeVilbiss (6 pcs. per card)

Stock No. 228

Fits Sharpe (6 pcs. per card)

Stock No. 128-2 Fits Binks and AES 128 (2 pcs. per card)

BULK LEATHER CUP GASKETS



Stock No. 223

Fits Binks (100 pcs per box)

Stock No. 225

Fits DeVilbiss (100 pcs. per box)

Stock No. 229

Fits Sharpe (100 pcs per box)

VISCOSITY MEASURING CUP

- Measure the thickness of
- topcoats, undercoats and clears.

 Handy gauge chart on back of card.
- Simply dip the viscosity cup into paint to make measurement.

Stock No. 47399



TWO-GUN PNEUMATIC

HOLDS TWO GRAVITY FEED SPRAY GUNS

Powerful magnets attach the stand to

and other vertical metal surfaces.

Stock No. 166

the walls of spray booths, work stations

PORTABLE DUAL MAGNETIC SPRAY GUN HOLDER

SPRAY GUN WASHER
Cleans spray guns, pots and
mixing accessories. Pressurized
jets of solvent clean all styles
of spray guns and accessories
in under 60 seconds! Saves
time and money; compact
size saves space. Operates
on air power (90 PSI max)
so there's no motor to burn out.
Enclose-cabinet design with
auto-shut off lid switch,
protects working environment
and technicians against
hazardous waste, toxic

fumes and skin irritation.



- Air operated only Requires 90 PSI.
- Automatic Shut-Off Lid Switch for Safety.
- Replacement Parts Available.
- Clean Guns, Cups & Related Accessories in Under 60 Seconds!

Stock No. 39770

Stock No. 39760-1

Replacement Pump



PAINT RELATED

SPRAY GUN CLEANING BRUSHES & KITS

SPRAY GUN CLEANING BRUSHES

Brushes reach the entire length of fluid tubes and chambers of most standard siphon feed spray guns. 12 per hang-up bag.



Stock No. 213-BL	Brass Bristles 3/8" DIA. x 16" L
Stock No. 213-BB	Brass Bristles %" DIA. x 9 ½" L
Stock No. 213-SL	Stainless Steel Bristles %" DIA. x 16" L
Stock No. 213-NB	Nylon Bristles
Stock No. 213-SB	Stainless Steel Bristles %" DIA. x 9 ½" L
Stock No. 214-BL	Brass Bristles ½" DIA. x 16" L
Stock No. 214-SL	Stainless Steel Bristles ½" DIA. x 16" L
Stock No. 214-BB	Brass Bristles ½" DIA. x 9 ½" L
Stock No. 214-NL	Nylon Bristles ½" DIA. x 16" L
Stock No. 214-SB	Stainless Steel Bristles ½" DIA. x 9 ½" L
Stock No. 215-BB	Brass Bristles 5⁄8" DIA. x 9 ½" L
Stock No. 215-BL	Brass Bristles 5/8" DIA x 16" L
Stock No. 215-NB	Nylon Bristles 5/8" DIA x 91/2" L
Stock No. 215-SB	Stainless Steel Bristles %" DIA. x 9 ½" L
Stock No. 215-SL	Stainless Steel Bristles %" DIA. x 9 ½" L

8" EXTERNAL SPRAY GUN **CLEANING BRUSH**

Soft bristles reach all the nooks and crannies of any spray gun exterior without scratching or marring the spray gun finish.

Stock No. 211



5" MULTI-PURPOSE GRAVITY FEED SPRAY GUN CLEANING **BRUSH**

Versatile brush can be used on gravity feed spray guns and air brushes for cleaning both interior and exterior surfaces. 5" L x 3/8" W.

Stock No. 220-1



3PC BASIC SPRAY GUN CLEANING KIT

Includes an internal cleaning brush, external cleaning brush and fluid tube brush. Carded. 12 sets per box.

Stock No. 210



12PC MASTER SPRAY GUN CLEANING KIT

Safe to use with chemicals, solvents, acids, etc. Set includes 5 versatile brushes, 5 wooden picks, air cap cleaning tool and a container of spray gun lube. Carded.

Stock No. 212

FLUSH GUN WITH **SOLVENT AFTER USE OF LUBRICANT**



1/4" DOUBLE-END SCRIBE

Stainless steel dual-hook tool can be used in a variety of applications from pulling small O-rings, installing and removing small springs and cleaning out machine threading. Carded.

Stock No. 1767



For cleaning spray gun air cap holes

SIZES: 0.40MM.0.45MM. 0.50MM.0.55MM. 0.60MM.

Stock No. 1766

0.65MM

5PC MINI SPRAY GUN BRUSHES WITH KEY RING

Set includes five different widths of mini 4" long cleaning brushes (from about 1/16" to 3/16" in diameter) for reaching all the little nooks and crannies for a thorough cleaning. Includes metal key ring. Carded.

Stock No. 209



THE COMPLETE SPRAY GUN CLEANING & MAINTENANCE KIT

Designed for all types of spray guns & equipment. Includes an extra long 12" pick-up tube brush, 1/4" HVLP brush, ½" body cavity brush, detail end brush, nylon bristle parts brush, 5-pc. mini brush set, and a special 6-pc. precision needle set. Carded.

Stock No. 208



THE ULTIMATE SPRAY GUN MAINTENANCE KIT

Kit contains: 6-pc. precision needle set with handle; 3-pc. detail end brush set ($\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ") with handle; 5-pc. precision mini twisted brush set; 1/4" dia. HVLP brush; nylon-bristle parts brush; 12" pick up tube brush; ½" body cavity brush; brass power pick-up tube brush; paint gun lubricant; reusable plastic organizer storage case.

Stock No. 207

SOLVENT AFTER USE OF LUBRICANT



20PC MASTER SPRAY GUN CLEANING KIT

Ideal for cleaning all types of Suction, Gravity Feed, HVLP, Touch-Up, Detailing and Pressure spray guns, as well as Airbrushes and Stripping Tools. Carded 12 sets per box

Stock No. 220

FLUSH GUN WITH **SOLVENT AFTER USE OF LUBRICANT**



TECH TIP:

AFTER CLEANING AND LUBRICATING ANY SPRAY GUN, YOU MUST PURGE THE GUN BY SPRAYING A FEW BLASTS OF CLEAN SOLVENT.

PAINT RELATED

3PC GRAVITY FEED SPRAY GUN PAINT **STRAINERS**

Fine mesh strainers designed to fit the AES 150 and most other gravity feed spray guns. Strainers slip easily into position without tools. 3pcs per package. 6 cards per box.

Stock No. 150-34



3PC GRAVITY FEED SPRAY GUN PAINT **STRAINERS** Carded





10PC GRAVITY FEED SPRAY GUN PAINT STRAINERS

10 strainers, bulk-packed.

Stock No. 150-27

36-PC. GRAVITY FEED SPRAY GUN PAINT STRAINER DISPLAY CARD Hang-up display card holds 12 poly bags with 3 strainers

Stock No. 45800

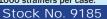


BOX OF 100 **GRAVITY FEED** SPRAY GUN PAINT STRAINERS Most economical way to buy. Stock No. 45808



MEDIUM MESH NYLON PAINT STRAINERS

Special positive-drain strainer features dense white paper stock and nylon mesh for efficient performance. 1000 strainers per case.





SIPHON FEED SPRAY **GUN PAINT STRAINERS**

Assorted styles of strainers for siphon feed guns all attach to the end of the fluid pick-up tube to strain the paint as it is being sprayed.

LOCK-ON PAINT **STRAINERS**

Extends up into the fluid pick-up tubes of all major siphon feed paint guns. Snap the lock-ring into place and the strainer provides positive filtration for a splatter-free finish. Reusable and easy to clean. 4 Strainers per card (12 cards per box)



60 Strainer Display card (3 strainer per poly bag, 20 bags per card)

Stock No. 45600



SURGICAL BLUE TACK RAGS The solution to your base coat/clear coat problems.

Compatible with all primers, primer surfaces, sealers and high solid coatings. Contains no oils, solvents, silicones or any other materials that may affect surface adhesion. 12 per box. 12 boxes per case.

Stock No. 144



THE STRAINER FOR SIPHON FEED SPRAY GUNS

Fits all standard siphon feed spray guns. Strains the paint as it is being sprayed. Installs quickly and easily on the end of the fluid pick-up tube without tools.

12 Strainer Display Box

Stock No. 45500

2 Strainers carded (6 cards per box)

Stock No. 45502



THE STRAINER

FISHEYE KILLER

Special silicone formula produces a better paint job by eliminating "Fish eye" problems. For professional use only. Packed 12 squeeze bottles per case. In 1-oz., 2-oz., 8-oz. and 16 oz. sizes.

Stock No. 901 Stock No. 902

Stock No. 916

1-oz. Bottle

2-oz Bottle

Stock No. 908

8-oz. Bottle

16-oz. Bottle



1-GAL FISH FYF KILLER

Economical purchase for high-production facilities. Packed 4 per case.

Stock No. 951



5/16" Shaft, 16 1/2" Length, 2 %" Blade Diameter. Stock No. 15216

%" Shaft, 25" Length, 4" Blade diameter







PAINTING ACCESSORIES

MASKING ACCESSORIES

2-PC MAGNETIC RIM MASKERS Paint the rims without removing the tires. Adjustable metal maskers can fit all wheel sizes to provide a barrier between rim and rubber and protects tire from over spray.

Set of 2, boxed. Stock No. 24002

Car Rim Maskers (fits 12" to 16" rims)

Stock No. 24003

Truck Rim Maskers (fits 16" to 22" rims)

STAND-ON MASKER

Masker can be used as a foot stool for easier masking of vans, SUV's and other high-profile vehicles. Holds one or more rolls of masking paper up to 18" wide. Recommended weight limit 200 lbs. Individually boxed.

Stock No. 172



DOUBLE-ROLL PORTABLE MASKER

Dual-delivery machine dispenses any combination of two rolls of paper up to 18" in width. Handy, portable and lightweight 1" tubular steel design.

Individually boxed. Stock No. 173

DELUXE MASKER

Dual dispensing machine has sharp anodized blades for clean cutting. Two comfort-grip handles in back for easy maneuverability. Four tape reels can be used for double-side taping. Plenty of storage space for sandpaper and paint guns. Individually boxed.

Stock No. 200

HOLDS COMBINATION UP TO 18'



$2 \times H E A V I E R$ THAN THE COMPETITION



4PC HEAVY DUTY CANVAS WHEEL MASKER SET

AES offers a heavier canvas maker, twice the weight of the competitors. They last longer and eliminate bleedthrough. Maskers fit 13" to 15" tires. 4 maskers per set. 12 sets per case.

Stock No. 30237

TRIPLE MASKER

Wide-base design masker holds 18", 24" and 36" rolls of masking paper. Easy to load; positive paper and tape alignment. Non-skid rubber wheels provide easy mobility around the shop. Individually boxed. Assembly required.

Stock No. 176



MASKING PAPER TREE Hold four rolls of paper from 16" to 22"



4PC EXTRA LARGE CANVAS WHEEL MASKER SET

Made to fit all larger tires including semi truck tires and large SUV's.

Stock No. 30239



VERSATILE MASKER

Designed for ease of use and mobility. Holds any four rolls of masking paper up to 18" wide. Never needs adjustment. Always keeps tape and paper in perfect alignment. Individually boxed.

Stock No. 175



VINYL & PAPER MASKER

Designed to hold a roll of masking paper up to 36" and a roll of vinyl car covers. Can be used in horizontal or vertical position. Individually boxed.



AIR REGULATORS

BRASS AIR REGULATOR

Increase or decrease pressure as the tool and job dictates. Full détente is impervious to heat, cold or rust. Individually carded, 6 per box.



Stock No. 203

AIR REGULATOR

Within about 2 ½ turns, the precision tapered valve will go from fully opened to fully closed. The knob is large, easy to handle and infinitely adjustable. Female swivel thread allows simple installation. Air inlet ¼" NPT, air outlet ¼" FPT. Individually carded. 6 per box.



Stock No. 872

SWIVEL AIR REGULATOR

Swivels 360° in two directions, keeping the air hose straight and untwisted at all times. Individually carded. 6 per box.





AIR REGULATOR WITH 160-PSI GAUGE

A body shop favorite. This regulator can be used on most pneumatic tools for pressure adjustment. Air inlet ¼" MPT; air inlet ¼" MPT; air outlet ¼ FPT. Individually carded. 6 cards per box.

Stock No. 882



160-PSI AIR PRESSURE GAUGES



Stock No. 1101

Back connection 1 ½" Dial, ½" NPT

Stock No. 1112

Back connection 2" Dial, 1/4" NPT

Stock No. 1113

Bottom connection 2" Dial, 1/8" NPT

Stock No. 1114

Bottom connection 2" Dial, 1/8" NPT

Stock No. 1115

Bottom connection 2" Dial, 1/4" NPT

AIR REGULATOR WITH 1 ½" 160-PSI GAUGE

1/4" female x 1/4" female. Regulator body is made of blue anodized aluminum. Individually carded. 6 cards per box.

Stock No. 880



DIAPHRAGM AIR REGULATOR WITH ¼" NPT

Designed to be used on all spray guns, especially the HVLP system. Lightweight construction includes full diaphragm regulation to supply exact and consistent pressure at the spray gun, eliminating surges. Individually carded. 6 per box.

Stock No. 878



DIAPHRAGM AIR REGULATOR WITH 1/4" NPT

For use on all spray guns, especially the HVLP system. Includes full diaphragm regulation with push-lock knob to supply exact and consistent pressure. 60 PSI gauge. Individually carded. 6 per box.

Stock No. 875



MINI LUBRICATOR

1/4" NPT

Stock No. 80103



DISPOSABLE SPRAY GUN AIR FILTERS

Disposable compact air filter removes moisture and impurities from air lines before it reaches the spray gun. The super sensitive filter will effectively remove oil, aerosols, smoke, condensed moisture and virtually all solid particles. (125 PSI max). Now available in bright "neon" orange, yellow and green.







PACKAGED (6 PER BOX)

2 Pcs. per card (6 Card Per Box) STK No. 25 Pcs. in Reusable Plastic Jar

STK No. 323

323-2

STK No. 323-25

IN-LINE AIR FILTER

High tech filter element actually blocks water moisture and other impurities even when totally saturated. As the element becomes completely saturated, the flow of air stops, providing a fail-safe check against

water contamination. Simply unscrew filter housing to install replacement filter element. Compact and lightweight – only 3 ½" long and 3.2 oz.

Stock No. 328

Replacement Filter Element

Stock No. 329



AIR/WATER SEPARATOR

Unique bronze filter separates water from air at the gun. Allows painter to shoot dry; eliminates water spots. Tough transparent housing.

1/4" male air inlet. 1/4" female air inlet.

Individually carded. 6 per box.

Stock No. 320

Replacement Filter Element

Stock No. 321

3-IN-1 AIR MANIFOLD

3-IN-1 AIR MANIFOLDS

Accepts three ½" air hoses or air couplers at a time. Mount to pipe at workbench or overhead. ½" inlet & outlet threads. Carded.





All Brass (1 9/16" dia. head)

Stock No. 3104

All Aluminum (3 ¾" x ¾" x ¾")

AIR REGULATORS

AIR PRESSURE REGULATOR WITH 160-PSI GAUGE

Pressure is monitored with a precision 160-PSI 2" gauge. 1/4" NPT. Carded.

Stock No. 1150



1⁄4" AIR **PRESSURE** REGULATOR

Reduce full line pressure to a selected lower pressure and maintain it accurately over a wide range of flows necessary for air motors, impact tools, paint spraying and many other applications throughout the industry. Pressure is adjusted by means of the lockable T-handle. 1/4" NPT. Carded.

Stock No. 1140



AIR PRESSURE REGULATOR WITH GAUGE & VALVE

Features two regulated outlets and one main line outlet, 2" gauge and valve. 50 CFM capacity. Individually boxed.

Stock No. 1802

AIR PRESSURE REGULATOR

Basic unit with two regulated outlets and one main line outlet; 50 CFM capacity.



1/4" NPT AIR LINE FILTER

Removes impurities such as dirt, rust and other airborne solid, as well as most liquid aerosols such as compressor oil mist and condensed water vapor.

1/4" NPT (carded)

Stock No. 1040

1/2" NPT (boxed)

Stock No. 1080



"PIGGYBACK" FILTER/REGULATOR/ **GAUGE UNIT**

Compact unit combines the features of a standard filter and regulator and includes a special venting feature that bleeds off downstream pressure. 40-micron filter element.

Stock No. 1340

AIR LINE FILTER WITH AUTOMATIC DRAIN

Remove solid impurities such as dirt, rust and other airborne solids, as well as most liquid aerosols such as compressor oil mist and condensed water vapor. Low-maintenance unit features an automatic bleeder drain. Filter element and bowl can be changed without the use of tools. Carded.

Stock No. 1060



"PIGGYBACK" FILTER/REGULATOR/ GAUGE UNIT WITH AUTOMATIC DRAIN

Compact and efficient unit. Special venting feature bleeds off down stream pressure. 40-micron filter element, polycarbonate bowl. 1/4" NPT. Individually carded.

Stock No. 1360







AIR FILTER

This larger reusable edge type filter element is most effective at removing water and oil contamination (5 micron filtration). Air inlet 1/2" FPT; air inlet outlet 3/8" FPT; 80 CFM capacity. Individually boxed.

Stock No. 3330

AIR F.R.I UNIT

AIR FILTER-REGULATOR-LUBRICATOR UNIT

Automatically filters air from air lines, regulates air pressure and lubricates air tools and systems. Bowls feature metal cages and bleeder drains.

Easy-to-see orange enamel finish. Stock No. 13400





AIR FILTER Reusable edge-type filter element. Highly effective at removing oil and water contamination. 5-micron filtration. Air inlet 1/2" FPT. outlet 3/8" FPT x 1/4" FPT. (plugged). Boxed.



DESICCANT FILTERS

- · Keep your spray guns and other air tools moisture and debris free.
- · Available in capacities from .5 to 30 scfm.
- Highly visible color change from blue to pink through exclusive sight-glass highlights need for service.
- Exclusive hard spherical bead resists attrition and
- Section of and can be recharged.
 Exclusive intake flow design takes air through entire supply of desiccant for max drying capacity.
- Needs no electrical connection.
- No "purge air" lost as with regenerative dryers.

SIZE	STOCK #	MAX AIR	FLOW	DESICCANT
		SCFM	SCF	CAPACITY
1/2"	3230	.5 TO 15	2500	1 qt
1/2"	3260	15 to 25	5000	2 qt
1/2"	3290	30	5000	2 qt









2 qt Capacity Stock No. 3260







HEAVY DUTY INFLATOR Stock No. 4108



BRASS AIR CHUCK Individually carded. Stock No. 4101





LOCK-ON BRASS AIR CHUCK Nickel-plated. Carded.

1 QT. REPLACEMENT DESICCANT Stock No. 3214





1 GAL. REPLACEMENT DESICCANT Stock No. 3228





5 MICRON AIR CONTROL UNIT

This unit is designed to remove water and dirt particles, providing clean and dry air for use with all pneumatic tools.

Stock No. 3430



Specifications:

Air Inlet:	½" NPT (female)
Air Outlet:	1/4" NPSM9male)
Air Capacity:	120 CFM filter 50 CFM regulator
Max Pressure:	150 PSI
Max Temp:	150° F
Filter Size:	5 micron

AIR TOOL OIL 12 per box.

2 oz. Bottle Stock No. 822

8 oz. Bottle

Stock No. 820

4 oz. Bottle

Stock No. 824



DISPOSABLE MINI IN-LINE DESICCANT DRYER

The desiccant removes all moisture in the lines, traps all rust and scale particles. The filter element stops all oil vapors.





COUPLERS & FITTINGS



HIGH FLOW AIR FITTINGS

High flow fittings are larger in diameter than standard $\frac{1}{4}$ " fittings. Recommended for all HVLP systems. Interchangeable with "M" style couplers. Packed 25pc per box.

1/4" Female

Stock No. 838



1/4" Male

Stock No. 839



HEAVY DUTY INDUSTRIAL AIR COUPLER AND FITTINGS

1/2" x 1/2" Coupler

Stock No. 005

6 PER BOX



AIR FILTER REGULATORS

Compact unit combines the features of an air filter and a regulator.

Stock No. AFR-802

1/4" NPT

Stock No. AFR-803

3/8" NPT

Stock No. AFR-804

1/2" NPT

1/4" AIR SPEED CONTROLLER

This simple in-line device allows variable speed control. Constructed of machined aluminum and chrome plated brass. Pressure adjustment by a tapered needle valve from 0-142 PSI.

Pressure Adjustment: tapered needle valve with knurled adjustment screw. Pressure Range: 0-142 PSI Inlet/Outlet Size: ½" NPT.

Stock No. 871



1/2" x 1/2" Female Fitting

Stock No. 015



6 PER BOX

6 PER BOX

1/2" x 1/2" Male Fitting

Stock No. 020



1/4" NPT BALL SWIVEL CONNECTORS SWIVELS 360°

Now the need for an extra swivel connector is unnecessary. Our swivel fittings merges an air fitting, with a swivel connector to provide a convenient, easy to use hose-to-tool air connection.

Male

Stock No. 861



6 PER BOX

Female

Stock No. 864



LINCOLN STYLE AIR COUPLER AND FITTINGS ALL STEEL CONSTRUCTION ¼" NPT THREADS AIR COUPLER

Brass Air Coupler

Stock No. 840

6 PER BOX



Male Fitting

Stock No. 843

12 PER BOX



12 PER BOX

Female Fitting

Stock No. 842



UNIVERSAL COUPLER SET Fits VIRTUALLY ANY brand connector in your shop!

Stock No. 848



5PC QUICK COUPLER SET Includes NEW 360° male swivel connector.

Stock No. 867



1/4" REPLACEMENT TANK

DRAIN VALVE

Inexpensive replacement compressor tank drain is quickly and easily installed. Individually carded.



COUPLERS & FITTINGS %" ID X 1/4" NPT BRASS FITTINGS

UNIVERSAL AIR COUPLERS

AES introduces a truly universal air coupler. Designed to fit 97% of all popular brands of air connectors, such as AMFLO, ARO, MILTON, PARKER. TRU-FLATE and more. Tough brass construction. fully guaranteed. Packed 6pc per box.



BRASS

#844 COUPLER IS COMPATIBLE WITH #846 & #847 **FITTINGS**



Female

Male

Stock No. 844-M

1/4" NPT BRASS FEMALE QUICK COUPLER

Rust-resistant brass construction. Fully guaranteed. 6 pieces per box. (Interchangeable with Milton #775)

Stock No. 860

#860 COUPLER IS **COMPATIBLE WITH** #862 & #863 **FITTINGS**



1/4" ID X 1/4" NPT BRASS FITTINGS 25pcs per box.

Female

Interchangeable with Milton #778

Stock No. 862

Male

Interchangeable with Milton #777

Stock No. 863



5PC QUICK COUPLER SET

Brass body for rust resistance. Sets contains a #860 coupler with 1/4" NPT female thread, one #862 female connector with 1/4" thread and three #863 male connectors with 1/4" thread. Fully guaranteed. Carded.

Stock No. 859



Rust-resistant brass construction. A "must" for HVLP

ALL SPRAY GUN & AIR TOOL MANUFACTURERS RECOMMEND 3/8" ID AIR SUPPLY FOR BEST PERFORMANCE.



systems. 25pc per box.

BRASS



Female

Stock No. 846

Male

Stock No. 847-M

1/4" NPT BRASS FEMALE OUICK COUPLER

Rust-resistant brass construction. Fully guaranteed, (Interchangeable with Milton #715). 6pcs per box.

Stock No. 866

#866 COUPLER IS **COMPATIBLE WITH** #868 & #869 **FITTINGS**



1/4" ID X 1/4" NPT BRASS FITTINGS 25pc per box.

Interchangeable with Milton #728

Stock No. 868

Interchangeable with Milton #727

Stock No. 869



BRASS

5PC OUICK COUPLER SET

Rust resistant brass. Each set contains a #866 female coupler, one #868 female connector with 1/4" thread, and three # 869 male connectors with 1/4" thread. Carded.

Stock No. 865



1/4" NPT STEEL FEMALE QUICK COUPLER

Durable steel construction. Designed for heavy duty use with all air powered tools. 6pcs per box.

Interchangeable with Milton #715

Stock No. 866-S

STEEL

#866-S COUPLER IS **COMPATIBLE WITH** #868-S & #869-S **FITTINGS**

CHROMIUM PLATED **FOR NO RUST WORRIES**



14" ID X 14" NPT STEEL FITTINGS

25pcs per box.

Female Interchangeable with Milton #728

Stock No. 868-S



CHROMIUM PLATED **FOR NO RUST** WORRIES

Male Interchangeable with Milton #727

Stock No. 869-S



5PC UNIVERSAL BRASS AIR COUPLER SET

Set contains one #844 Universal Coupler, one female hose fitting and three male fittings. The coupler will work with all popular brands of air connectors and fits both 1/4" and 3/8" ID sizes; all threads are 1/4" NPT. Set carded. 6 sets per box.

Stock No. 845



COUPLER INTERCHANGE CHART

Α	ES	ACME	AMFLO	ARO	DILL	DYNAQUIP	FOSTER	HANSON	LINCOLN	MILTON	PARKER	SCHRADER	TRUFLATE
86	56	A918B	C20	210	8888	DY-340	210-3003	102	632004	715	53	3526	13-334
86	58	A916N	CP-20	2609	8889	P-2609A	210-11	1G2	630204	728	A3C	3530	12-334
86	59	A914N	CP-21	2608	8891	P-2608A	210-10	1G3	639104	727	A2C	3529	12-324
86	50	A937B	C38	23102-200	10002	D340/DM340	3003	3000-1000	862	775	23	5412-12	13-234
86	52	A911N	CP38	23902-200	10009	P-340	11-3	11	13331	778	НЗС	5139-11	12-234
86	53	A910N	CP37	23902-210	10010	P-341	10-3	10	13329	777	H2C	5138-11	12-224

AIR HOSES & RELATED ITEMS

1/4" ID POLYURETHANE RECOIL AIR HOSES

These polyurethane air hoses are designed and built for professional applications requiring easy-access air supply and automatic recoil under frequent use.

Stock No. 51425

1⁄4" X 25'

Stock No. 51450

½" X 50'



AIR HOSE REELS

FEATURES:

- Can be conveniently fastened to wall or ceilings.
- The hose extends by just pulling and then stopping at any desired length.
- To retract, give the air hose a pull and it will quickly release the hose and rewind automatically.
- 1/4" NPT hose fitting.

Stock No. HR-600

1/4" x 28'





Stock No. HR-850A

%" X 40'

Stock No. HR-850B

5/16" x 50'

WALL-MOUNT AIR HOSE REEL

Holds up to 100 ft. of hose.
Eliminates tangled and twisted hoses by rolling them up quickly and neatly with hand crank and spring-loaded axle. 100 PSI/125 CFM valve assembly.
Holds 100 ft of %" or

50 ft. of ½" air hose (not included). Can be mounted horizontally or vertically. Boxed.

Stock No. 8300

36" X 50' 300 P.S.I. AIR HOSE

This lightweight UV and Ozone resistant hose looks and feels like rubber but has the chemical resistance of PVC RMA Class (A) and (B) oil resistance. It has a non-marring, silicone-free tube and cover. Available in red or yellow with threaded brass ends. It has great cold weather flexibility down to -15° F and will operate continuously up to +150° F.

Stock No. 8263 %" x 25-ft.

Stock No. 8265

%" x 50-ft.

Stock No. 8269

%" x 100-ft.





½" X 50' PVC AIR

HOSE

Stronger, lighter and more flexible than conventional rubber air hose. 300 PSI.



Stock No. 8468

%" ID PVC AIR HOSES

Stronger, lighter and more flexible than conventional rubber hose. 300 PSI.

Stock No. 8367 3/8" x 25-ft.

Stock No. 8368

%" x 50-ft.

Stock No. 8369

%" x 100-ft.







RECOIL AIR HOSES

Heavy-duty, recoil air hose is lighter than rubber hose. Extremely flexible and kink resistant. Reusable brass male swivel fittings on each end.

Stock No. 53825

%" X 25'

Stock No. 53850

50 %" X 50

NYLON SELF-RECOIL AIR HOSES

AIR HOSES Super lightweight nylon air hose includes 360° swivel female fittings at both ends. 300 lbs working pressure rating. Abrasive resistant.



Stock No. 1425 Stock No. 1450

1/4" x 25' Length

1⁄4" x 50' Length

%" ID YELLOW RUBBER AIR HOSES

Tough double-braid wall construction; BPT rated at 800 burst. Genuine rubber with patented reinforced weave of nylon cord. Fully guaranteed.

25-Ft. Length

Stock No. 7367

50-Ft. Length



AIR HOSE COMPLETE REPAIR EQUIPMENT

5-SIZES HOSE CRIMPER

Five sizes are instantly available and it's simple to operate. Self-contained - no separate dies to lose or misplace. Crimp any hose from 1/4" one-braid through 3/4" two-braided hose. Individually boxed.

Stock No. 855



1/4" NPT BRASS PLUG

STOCK NO. 109-14

1/4" HEX FITTING



AIR HOSE REPAIR KITS

Kits contain hose barb fitting to match inside diameter of hose with correct pipe thread for replacing damaged fittings. Hose clamps are included. Carded. 6 cards per box.



Stock No. 7345	Male Pipe Fitting 1/4" Hose ID, 1/4" NPT
Stock No. 7348	Female Pipe Fitting 1/4" Hose ID, 1/4" NPT
Stock No. 7346	Male Pipe Fitting 5/16" Hose ID, 1/4" NPT
Stock No. 7349	Female Pipe Fitting 5/16" Hose ID, 1/4" NPT
Stock No. 7347	Male Pipe Fitting %" Hose ID, ½" NPT
Stock No. 7350	Female Pipe Fitting 3/4" Hose ID. 1/4" NPT

HOSE FERRULES

INDIVIDUALLY BAGGED

		_
Stock No. 7326	19/32" OD	
Stock No. 7327	5/8" OD	-
Stock No. 7328	21/32" OD	
Stock No. 7329	11/16" OD	
Stock No. 7330	23/32" OD	
Stock No. 7331	3⁄4" OD	
Stock No. 7332	25/32" OD	
Stock No. 7333	13/16" OD]

HOSE CLAMPS

Worm-gear type with slotted hex head screw. 100 pcs. per box.

Stock No. 4	%" Clamp
Stock No. 6	³ ⁄ ₄ " Clamp
Stock No. 10	1" Clamp
Stock No. 12	1 1⁄4" Clamp
Stock No. 20	21/4" Clamn



AIR HOSE SPLICER KITS

Each kit contains a double hose barb fitting to match inside diameter of hose to be repaired. 2 hose clamps are included. Carded. 6 cards per box.



Stock No. 7340	44" Hose ID, 44" X 44 "Splicer Size
Stock No. 7341	5/16" Hose ID, 5/16" x 5/16" Splicer Size
Stock No.	3/8" Hose ID, 3/8" x 3/8" Splicer Size

HOSE BARBS

7342

INDIVIDUALLY BAGGED

Stock No.	1/4" ID, 1/4"
7308	NPT Male Insert
Stock No.	5/16" ID, ½"
7310	NPT Male Insert
Stock No.	3/8" ID, 1/4" NPT Male Insert



Stock No. 7309	1/4" ID, 1/4" NPT Female Insert	
Stock No. 7311	5/16" ID, ½" NPT Female Insert	
Stock No.	3/8" ID, 1/4" NPT Female Insert	



SWIVEL

INDIVIDUALLY BAGGED



Stock No. 7314	1/4" Splicer
Stock No. 7315	5/16" Splicer
Stock No. 7316	³∕₅" Splicer

102-PC BRASS FERRULE & BARB KIT

Contains all the necessary hose barbs and ferrules to repair or make new air hoses. Replacement stock available.

Stock No. 856



3-WAY 1/4" BRASS TEES





Female Tee		
Stock No. 6447		

Male Tee

INDIVIDUALLY BAGGED

BRASS MALE PIPE REDUCERS

tock No. 125-5	%" X
tock No. 123-8	½" X ¹



¼" X ¼" BRASS FEMALE ADAPTOR

Stock No. 6467



34" X 1/2" BRASS REDUCING ADAPTOR



BRASS PIPE BUSHINGS

Stock No. 110-11	3⁄4" x 1⁄2"
Stock No. 110-3	3 ⁄8" X ¹ ∕4"
Stock No. 110-8	½" x ¼"



BRASS MALE NIPPLES

Stock No. 6468	1⁄4" x 1⁄4"
Stock No. 122-5	3/8" X 3/8"
Stock No. 122-9	½" x ½"
Stock No. 122-14	3/4" X 3/4"



21-PC PNEUMATIC ACCESSORY SET Blister Carded.



Stock No. 821

BALL VALVES

Can be used with air, gas or water lines. Both ends are female.

Stock No. 124-C

Stock No. 14-C

Stock No. 344-C



1/4" SHUT-OFF VALVE

Stock No. 1885



BLOW GUNS & BLOW GUN KITS

21/4" MINI POCKET BLOW GUNS

Milton type

Stock No. 325



ARO type

Stock No. 326



4" POCKET BLOW GUNS

Knurled for easy air flow adjustments; made to fit ¼" industrial interchange couplers. Made of lightweight aluminum. Individually carded.

Stock No. 315

FITS MILTON® "M"
TYPE COUPLERS



FITS MILTON® "A"

TYPE COUPLERS



AIR BLOW GUN WITH SAFETY NOZZLE

Cleans fuel lines, etc. Dries out wet ignition. Blows out dirt, dust, fillings, metal chips and hundreds of other uses. Carded.

Stock No. 335



3PC BLOW GUN KIT

1/4" NPT includes a mar-free rubber nozzle, for blowing out hard-to-reach areas like moulding, transmissions, electric motors, etc. Individually carded.

Stock No. 336



COMFORT DESIGN BLOW GUN

Blows out dirt, dust fillings & metal chips. Cleans fuel lines. Dries out wet ignitions. Hundreds of other uses. Carded. Supplied with standard metal tip and rubber tip.

Stock No. 339





FLEX-IT BLOW GUN

Operated by simply bending the flexible nozzle. Ideal for inflating air mattresses and blow-up-toys. 90-150 PSI; ½" air inlet. Carded.

Stock No. 327



IN-LINE BLOW GUN WITH 3 NOZZLES

Install this blow gun between the coupler and air hose and never worry about misplacing it or disconnecting the tool in use. Compact and lightweight, it won't get in the way or affect the performance of air tools. Carded.

Stock No. 310



3-PC. BLOW GUN NOZZLE SET Includes ½", 2" and 3 ½" nozzles. Set carded.







12PC BLOW GUN KIT

Contains a suction hose and siphon/adaptor for engine cleaning, power wire brush, 8" hole cleaning nozzle with deflector, inflating needle and needle adaptor, safety nozzle, rubber tip nozzle, 2 ½" needle nozzle, high pressure nozzle and air blow gun. Carded.

Stock No. 338



BLOW GUN KIT WITH 12" FLEXIBLE EXTENSION NOZZLE

Includes a chrome-plated blow gun with ¼" female inlet, hang-up hook, metal concentrator nozzle and special rubber extension hose with OSHA nozzle. Carded.

MORE BLOW GUNS



HIGH-VOLUME PISTOL BLOW GUN Produces an extra-wide air pattern; additional air drawn from holes at base of nozzle enables heavier air flow. Especially effective for "power dusting" and quick-drying anything from fabrics to warehouse floors. Stock No. 330

ENGINE CLEANING GUN

Lightweight cleaning "wand" gets into tight spots to remove grease, grime and dirt. Supplied with a 4-foot suction hose for solvents. 1/4" NPT. Overall length approximately 16 inches.

Stock No. 342





with compressors delivering 0.5 to 3.1 CFM. Complete with hose and extra parts.

Stock No. 346

SAND BLASTING **GUNS & KITS**

FULL-CONTROL DEADMAN-TYPE SAND BLASTER GUN

Tough, lightweight, rugged gun is designed for comfortable operation. Suitable for use with all pressure sandblasting units. Includes 1 ceramic nozzle. Carded.





DEADMAN SANDBLASTING GUN



SAND BLASTING **ACCESSORIES**

Stock No. 313

INDIVIDUAL CERAMIC SAND BLASTER NOZZLES

Choose from four nozzle sizes.

Stock No. 1015-1

Stock No. 1015-2 2.7mm

Stock No. 1015-3

Stock No. 1015-4



2.4mm

3.2mm

3.6mm

PISTOL-TYPE BLOW GUN WITH

3 STAINLESS STEEL NOZZLES

Comfortable grip with big spray gun-type trigger and 3

metal nozzles of various lengths. Individually carded.

4PC CERAMIC SAND **BLASTER NOZZLE SET**

Ceramic nozzles in the following sizes: 2.4mm, 2.7mm, 3.2mm, 3.6mm, Carded.

Stock No. 1015

5PC SAND BLASTER TIP KIT

Includes 3 nozzles (two pc. 1/4" & one 13/64"), one air jet and one hex key. Carded.

Stock No. 1012





SAND BLASTER KIT

Comes complete with 10-ft. hose, pick-up tool and extra nozzles. Use for sand blasting, liquid-or air-cleaning of parts and surfaces. 1/4" air inlet. Kit carded.

SAND BLASTERS



PRESSURIZED SAND BLASTERS

Deluxe pressure-feed units include pressure gauge, air filter, nozzle-end shut-off valve with 4 ceramic nozzles, 9-ft. hose, filling funnel and canvas safety hood.

Stock No. 1000

10-Gallon Unit

Stock No. 1002

20-Gallon Unit

THESE ACCESSORIES ARE INCLUDED WITH THE #1000, #1002





PNEUMATIC SPARK PLUG CLEANER

Internally controlled abrasive blasting. Uses ordinary air line pressure flowing through a special abrasive mix to clean up spark plugs just like new. External 2-position lever allows blasting with abrasive mix or pure air only. Blasting material included. Individually carded.

Stock No. 18500

INDIVIDUAL ACCESSORIES

Stock No. 18501

Abrasive Blasting Material 4oz.

Stock No. 18502

Replacement Material Bag



CANVAS SAFETY HOOD

Lightweight and sturdy protection for eyes and face; keeps sand out of hair, eyes, nose and mouth. Large replaceable window lens provides good visibility.

Stock No. 1000-30

Replacement Clear Lens

Stock No. 1000-31



VINYL DELUXE SANDBLASTING HOOD

Stock No. 1006

Includes built-in

Stock No. 1006-L

hard hat.

Replacement Lens

AIR TOOL ACCESSORIES



CANVAS SANDBLASTING HOOD

Stock No. 1004

Includes built-in hard hat.

Stock No. 1004-L

Replacement Lens



THE OILER

Fabricated of aluminum with a transparent high-impact plastic casing. Filler screw is located on top for easy access. Holds a 3-to-4-day supply of oil. Keeps air tools lubricated at all times. Use on all impact wrenches, air hammers, sanders, etc. 1/4" NPT threads. Carded.





5" HIGH SPEED AIR SANDER

Built-in speed regulator. Includes 3 resin fiber backing pads: 3", 4" and 5". Designed for light sanding jobs like feather edging and rust removal.

Stock No. AT-180SG



2" AIR DUAL ACTION SANDER • Free Speed: 15,000 RPM

- Air Inlet: 1/4"
- Air Hose (ID): 3/8"
- Avg. Air Consumption: 4 cfm (113 1/min)
- Working Pressure: 90 psi (6.3 bar)

Stock No. AT-7037



5" AIR SANDER SPECIFICATIONS:

Pad Sizes- 3", 4 1/2", 5 1/2"; Air Inlet- 3/8" NPT; Hose Size-3/8" ID, 1/4" NPT; Speed- 15,000 RPM; Air Pressure 90 PSI. Individually boxed.

3 BACKING

PLATES

Stock No. 665



8" DA SANDER

SPECIFICATIONS:

Free Speed- 2000 RPM; Air Hose Size- 3/8"; Air Inlet- 1/4"; Air Consumption- 4 CFM. Individually boxed.

Stock No. 668

Stock No. 668-3

Replacement Pad



7" ANGLE SANDER

SPECIFICATIONS:

Speed- 0-5000 RPM; Hose Size- 3/8" ID, 1/4" NPT; Air Consumption- 11 CFM; Air Inlet- 1/4" NPT; Capacity- 7" disc; Tool Length- 14"; Net Weight- 6 1/2 lbs. Individually boxed.

Stock No. 623



Balanced ball bearing construction. Built-in regulator for positive speed control. Positive locking clamps hold sand paper firmly in position. Automatic release throttle lever with positive stop action.

Stock No. AT-7018



7" AIR ANGLE SANDER

Safety level throttle & built-in regulator. Planetary gearing balances load on bearing and gears for greater power. Includes 7" backing pad.

Stock No. AT-880A



7" AIR POLISHER

Safety level throttle & built-in regulator. Planetary gearing balances load on bearing and gears for greater power. Includes 7" backing pad.

Stock No. AT-880B



MULTI-PURPOSE AIR SCRAPER

Heavy duty scraper can handle all sorts of stubborn materials, such as urethanes, crusty vinyl adhesives, hardened butyls, old undercoating, built-up paint and primers.

Stock No. 660

Air Scraper Replacement Blade

Stock No. 660-1





PNEUMATIC CLEANING GUN WITH 1-QT. METAL CUP

Use with detergents, solvents or water for cleaning engines, automobiles, boats, driveways, building exteriors and more! 1-qt. metal cup; corrosion-free brass nozzle. Individually boxed.





GERMAN BEARII

DUAL PISTON STRAIGHT LINE SANDER

Super Pro model, equipped with four sets of pin bearings for smoother, longer lasting use. Stainless steel finish. Individually boxed.

SPECIFICATIONS:

Strokes per Minute-3000; Overall Length -17 ½" Air Inlet-¼" NPT; Hose Size- ¾" ID, ¼" NPT; Air Consumption- 8 CFM; Net Weight-6 lbs.

Stock No. 677



STRAIGHT LINE SANDER

Positive locking clamps hold sandpaper firmly in position. Low noise & vibration levels. Dual piston makes it ideal for finishing body filler. "No dead point" design.

Stock No. AT-186

Stock No. AT-186-34

Replacement Pad



STRAIGHT LINE SANDER

SPECIFICATIONS:

Free Speed- 2000 RPM; Air Hose Size- 3/6"; Air Inlet- 1/4"; Air Consumption- 4 CFM. Individually boxed.

Stock No. 678

6" DUAL ACTION SANDER Includes cushioned 6" DA pad. SPECIFICATIONS: Speed-10,000 RPM Air Inlet-4/a" NPT; Air Consumption- 4 CFM; Hose Size- 3/a" ID; 1/4" NPT Tool Size-9 1/4"; Net Weight- 4 LBS. Individually boxed. Stock No. 1667

6'' DA SANDER
Includes cushioned 6" DA pad.
SPECIFICATIONS:
Speed-10,000 RPM
Air Inlet-½" NPT;
Air Consumption- 4 CFM;
Hose Size-¾" ID; ½" NPT
Tool Size-9 ½"; Net Weight- 4 LBS.

Stock No. 667

Individually boxed.

GERMAN BEARINGS

PALM-GRIP DA SANDER WITH 6" SANDING PAD

Sander fits comfortably in the palm of your hand. Comes with cushioned 6" sanding pad. Individually boxed.

Stock No. 664



6" PALM-GRIP DA SANDER WITH DUSTLESS VACUUM ACTION

SPECIFICATIONS: Pad Size- 6"; Air Inlet- 1/4"; Air Pressure- 90 PSI;

Air Pressure- 90 PSI; Air Consumption- 7 CFM. Individually boxed.

Stock No. 663



6" DA SANDER

Composite Body. Includes cushioned 6" DA pad. SPECIFICATIONS: Air Inlet- ¹/₄" NPT; Hose Size- ³/₆" ID, ¹/₄" NPT;.

Individually boxed.

Stock No. 662



12 oz. Individually boxed. Stock No. 666

ad.

GERMAN BEARINGS

MINI ANGLE SANDER WITH 2" VELCRO-FACE PAD

SPECIFICATIONS: Free Speed- 15,000 RPM; Air Inlet- 1/4" NPT;

Air Inlet- 1/4" NPT; Air Pressure- 90 PSI. Individually boxed.

Stock No. 630

2" Velcro-Face Pad

Stock No. 631

SEE PAGE 31 FOR 2" VELCRO-BACKED SANDING DISCS & OTHER ACCESSORIES



6" PALM DA SANDER

Built-in regulator for speed control. Low vibration lightweight & ergonomic design. 3/32" orbit pattern. Rear exhaust.

Stock No. AT-780-6



6" RANDOM ORBIT PALM D.A. SANDER (VACUUM TYPE)

Built-in regulator for positive speed control. 3/16" (4.8 mm) orbit pattern. Most suitable for producing fine finishes. Rear exhaust. 9,000 RPM, 12 CFM, 2 HP.

Stock No. AT-980-6



6" DUAL ACTION AIR SANDER

Swivel-free finish from its dual action pad motion. Built in regulator for positive speed control. Orbital sander provides a patternless finish. Rotary action assures smooth and circulating sanding. Most suitable for sanding jobs like feather edging, metal preparation and blending body filler. Side exhaust: 10,000 RPM, CFM, 2 HP.

Stock No. AT-280



6" AIR DA SANDER

Swivel-free finish from its dual action pad motion. Built in regulator for positive speed control. Orbital sander provides a patternless finish. Rotary action assures smooth and circulating sanding. Most suitable for sanding jobs like feather edging, metal preparation and blending body filler. Side exhaust: 10,000 RPM, CFM, 2 HP.

Stock NO. AT-380



PSA BACKING PADS FOR RANDOM ORBIT SANDERS

Vinyl face DA sander pads with 5/16"-24 thread. Individually carded. 6 cards per box.

Stock No. 5518

5" Vinyl Face Pad

Stock No. 6518

6" Vinyl Face Pad



VELCRO-FACE BACKING PADS FOR RANDOM ORBIT SANDERS

Velcro face holds the pads firmly in place and takes only seconds to change pads. 5/16"-24 thread. Carded. 6 per box.

Stock No. 5520

5" Velcro Face Pad

Stock No. 6520

6" Velcro Face Pad

6" TAPERED PSA SANDING PAD

Cushioned for convex surfaces. Yellow vinyl pads are lightweight and perfectly balanced for faster working and a professional finish. %"-11 thread. For use with PSA paper. Individually carded. 6 per box

Stock No. 6524



SANDING PADS WITH **VELCRO FACE**

5/16" - 24 THREAD, 10,000 MAX RPM

Stock No. SP-09

2" x 5/16" Thread

Stock No. SP-10

3"x 5/16" Thread

Stock No. SP-09M

2" x 6mm Thread

Stock No. SP-10M

3" x 6mm Thread





TAPERED DA PADS FOR PSA PAPER

Cushioned for concave and convex surfaces. Yellow vinyl pads are lightweight and perfectly balanced for faster working and a professional finish. 5/16"-24 thread. For use with PSA paper. Individually carded. 6 per box.

Stock No. 6555

5" Vinyl Face Pad

Stock No. 6526 6" Vinyl Face Pad



TAPERED DA PADS WITH VELCRO FACE

Cushioned for convex and concave surfaces. Velcro face holds pads firmly in place and takes only seconds to change or replace pads. 5/16"-24 thread. Individually carded. 6 per box

Stock No. 6528

5" Velcro Face Pad

Stock No. 6527

6" Velcro Face Pad

8" SUPER FLEX PAD

Pad is cushioned and flexible to accommodate irregular surfaces. Fully balanced for a professional finish. For use with a %"-11 arbor. Carded, 6 per box.

Stock No. 6588

8" Vinyl Face Pad

Stock No. 6529

8" Velcro Face Pad



6" TAPERED DA PADS

Universal mounting will fit almost any 6" DA sander including the DA sanders shown above. Choose from a smooth vinvl face or velcro face.

Stock No. SP-01

Vinyl

Stock No. SP-02

Velcro

VELCRO 6 HOLE VACUUM

Stock No. SP-03

Velcro





RIGHT ANGLE TAPERED SANDER KIT

Stock No. CF-716-K

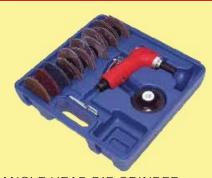


RIGHT ANGLE SANDER & BUFFER KIT

Stock No. CF-715-BK



RIGHT ANGLE ROLOK SANDER KIT Stock No. CF-716-AK



ANGLE HEAD DIE-GRINDER Stock No. CF-716-BK

SANDPAPER



6" PREMIUM P.S.A. LINK DISCS

100 per roll. 10 rolls per case.

Stock No. 21806	80 Grit
Stock No. 21810	180 Grit
Stock No. 21811	220 Grit
Stock No. 21812	320 Grit
Stock No. 21816	400 Grit



DA DISC ROLL DISPENSER

The AES disc dispenser helps keep your DA discs organized as you carry it from job to job or mount to wall. It holds up to two 100pc rolls of either 5" or 6" DA sandpaper discs.

Stock No. 21800



2 1/2" PREMIUM PSA ROLLS

1 roll per bag. 10 rolls per case.

80 Grit, 20 yards per roll

Stock No. 23606

180 Grit, 40 yards per roll

Stock No. 23610





6" DA SANDPAPER WITH TAB 100 PER BOX		
Stock No.	Grit	
47906	80	
47910	180	
47912	320	
47924	1500	
47926	2000	



BLUE ZIRCONIA FIBER GRINDING DISCS 25 per box. 4 boxes per case.

 Stock No. 135014
 5" Dia., 24 Grit

 Stock No. 135021
 5" Dia., 36 Grit

 Stock No. 137018
 7" Dia., 24 Grit

Stock No. 137025 7" Dia., 36 Grit

8" PSA HOG PAPER	
Stock No.	Grit
14302	32
14303	40
14306	80

9" X 11" WET OR DRY SHEETS 50 PER BOX			
Stock No.	Grit		
14911	220		
14912	320		
14917	400		
14919	600		
14921	1000		
14924	1500		
14926	2000		



5" X %" GRINDING DISCS ALUMINUM OXIDE 25 PER BOX			
Stock No.	Grit		
17201	24		

17201 24 17202 36 17204 50



3", 5" and 6" HOOK & LOOP SANDING DISCS 50 PER BOX			
3" DISC 5" DISC		6"DISC	
Stock No.	Grit	Stock No.	Stock No.
20306	80	48806	48906
20310	180	48810	48910
20312	320	48812	48912
20317	400	48817	48917
	600	48819	48919

POWER SANDER ACCESSORIES

7" MOLDED **BACKING PLATE** WITH FLANGE NUT For use with %"-11 threaded

spindles on vertical and angle air sanders. Max safe speed 7000 RPM. Individually carded. 6 cards per box.

Stock No. 51927-F

Stock No. 50935

Flange Nut Only



FLEXIBLE PLATE **CONFORMS TO IRREGULAR SURFACES**

7" MOLDED **BACKING PLATE** WITH FLANGE NUT For use with \(^5\mathbb{g}''\)-11 threaded spindles on vertical and angle

air sanders. Max safe speed 7000 RPM. Individually carded. 6 cards per box.

Stock No. 51927

Stock No. 50935

Flange Nut Only

5" MOLDED BACKING PLATE WITH FLANGE NUT

For use with \sigma"-11 threaded spindles on vertical and angle air sanders. Max safe speed 7000 RPM. Individually carded. 6 cards per box.

Stock No. <u>51805</u>

Stock No. 50935



Flange Nut Only

BACK UP PADS WITH FLANGE NUTS General purpose smooth-face pads are made to provide

consistent properties over a wide range of temperatures.

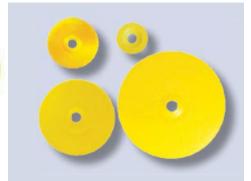


Stock No. 51836 5" Disc, %"-11 Thread

Stock No. 50930 Flange Nut only for 4" Disc

Stock No. 50931 Flange Nut only for 41/2" Disc

Flange Nut only for Stock No. 50932 5" Disc



NYLON BACKING PLATES

Made of a special polymer plastic for greater durability than phenolic plates. 7/8" depressed center hole. Add "-CD" to stock number if carding is desired.

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Stock No. 5630	3" Diameter
Stock No. 5650	5" Diameter
Stock No. 5670	7" Diameter
Stock No. 5690	9" Diameter

3PC SHATTERPROOF **BACKING PLATE SET**

3", 5" and 7" diameter plates. Carded. 6 sets per box.







5" QUICK CHANGE PAD WITH 5" & 7"

PHENOLIC BACKING PLATES

Eliminates the use of a wrench to replace abrasive discs for most sanders and grinders having 5/4"-11 threaded spindles. Must be used with flexible phenolic backing disc. Max safe speed 6000 RPM. Carded. 6 per box.

Stock No. 51806



PHENOLIC BACKING PLATES %" depressed center hole. 12pcs per pack. Add "-CD" to stock number if carding is desired.

Stock No. 553	3" Diameter
Stock No. 554	4" Diameter
Stock No. 555	5" Diameter
Stock No. 557	7" Diameter
Stock No. 559	9" Diameter

3-PC. PHENOLIC BACKING PLATE SET

3", 4" and 5" dia. plates. Carded. 6 sets per box.

Stock No. 525





3-PC. PHENOLIC BACKING PLATE SET 3", 5" and 7" dia. plates.

Carded. 6 sets per box. Stock No. 526





SEE PAGE 24, 36 & 37 FOR AN ASSORTMENT OF ABRASIVE DISCS, SANDING BLOCKS & OTHER **RELATED ITEMS**

AIR GRINDERS & RELATED ITEMS



¼" ANGLE DIE GRINDER

Compact, lightweight and durable. Rear exhaust, grease fitting on back of head. Lever throttle for feathering control. Individually boxed.

SPECIFICATIONS:

Speed- 25,000 RPM; Collet Size- 1/4" Air Consumption- 3 CFM; Air Inlet- 1/4" NPT: Hose Size- 3/8" ID. 1/4" NPT: Air Pressure- 90 PSI.

Stock No. 654

1/4" MINI DIE GRINDER

Overall length- 4 3/4"; rear exhaust. Individually boxed.

SPECIFICATIONS: Speed-24,000 RPM; Collet Size-1/41 Air Consumption-3 CFM; Air Inlet- 1/4" NPT; Hose Size- 3/8" ID, 1/4" NPT; Air

43/4

Pressure- 90 PSI; Net Weight- 10 ozs.

Stock No. 755



ADJUSTABLE SPANNER WRENCH

- · Adjust to many sizes to change sanding disc.
- Special design provides locked grip every time
- Range: 10-30mm (3/8" 1-3/16")

Stock No. 43560



OUICK CHANGE PAD NUT

Stock No. 50940

M-14 to %" x 11



INSERT ADAPTERS

Stock No. 50937

M-10 x 1.5 to %" x 11

Stock No. 50938

M-10 x 1.25 to %" x 11

1/4" MINI **GRINDER** Rear exhaust.

Individually boxed. SPECIFICATIONS:

Speed- 22,000 RPM; Collet Size- 1/4" Air Consumption- 8 CFM: Air Inlet- 1/4" NPT: Hose Size- 3/8" ID, 1/4" NPT; Air Pressure- 90 PSI; Overall Length- 6".

Stock No. 652

DIE GRINDER COLLETS

Use on 1/4" die grinders to convert to 1/8" usage.

Stock No. 652-37

Stock No. 652-38

1/4" to 1/8"

1/4" to 1/4"



4" AIR ANGLE GRINDER

Specifications:

Speed- 11,000 RPM; Capacity- 4"; Air Consumption- 5 CFM; Hose Size- 3/8" ID, 1/4" NPT; Air Inlet- 1/4" NPT; Tool Length- 8 1/4"; Air Pressure- 90 PSI. Individually boxed.

Stock No. 622



5"AIR ANGLE **GRINDER**

SPECIFICATIONS:

Speed- 10 000 RPM: Capacity- 5"; Air Consumption- 5 CFM; Hose Size- 3/8" ID, 1/4" NPT; Air Inlet- 1/4" NPT; Air Pressure- 90 PSI. Individually boxed.

Stock No. 628



3" X 1/4" X 3/8" GRINDING WHEEL

Ideal for smoothing welds, removing burrs and contouring surfaces, as well as many blending and clean-up tasks.

Use in body shops, garages, fabrication shops and other industries. Max. 25,000 RPM. 25pcs per box.

Stock No. 3642





MORE GRINDING WHEELS ON PAGE 37

%" ARBOR

%" arbor with 1/4" shank. Ideal for the thicker cut-off and grinding wheels. Including our #3642. Carded.

Stock No. 3800



1/4" & 3/8" CUT-OFF WHEEL MANDREL

Turn any die grinder or drill into a cut-off tool. Complete with 1/4" and 3/8" wheel adaptors. Carded.

Stock No. 3804





3" X ¼" X **%**" GRINDING WHEEL SET

Set of three #3642 grinding wheels and one #3800 arbor. Carded.

Stock No. 3642-4

AIR POLISHERS & RELATED ITEMS

7" AIR ANGLE POLISHER



Air Consumption- 11 CFM; Air Inlet- 1/4" NPT: Hose Size-3/8" ID: 1/4" NPT' Capacity-7" pad; Tool Length-14". Individually boxed.

Stock No. 624

7" LOW RPM AIR ANGLE POLISHER SPECIFICATIONS:

Free Speed-0-2000 RPM; Capacity- 7" disc;

Air Consumption- 11 CFM Air Hose Size-3/8" ID; Air Inlet-1/4" NPT; Net Weight- 6 1/2 lbs.; Tool Length-14". Individually boxed.

Stock No. 625





SPECIFICATIONS:

Free Speed- 2200 RPM; Air Consumption-6 CFM: Air Hose Size- 3/8" Air Inlet- 1/4". Individually boxed.

VELCRO-FACE BACKING PADS

Specifically designed for use with our wool buffing pads. Velcro face provides a no-slip grip, but allows quick and effortless pad changes.

Stock No. 51726

5" Diameter Pad, %"-11 Thread

Stock No. 51727

7" Diameter Pad, %"-11 Thread

THESE CAN BE USED WITH ALL AES FOAM **POLISHING PADS**

SEE PAGES 38 - 42 FOR OUR **SELECTION OF** POLISHING BONNETS, FOAM PADS & OTHER POLISHING SUPPLIES



61/2" VELCRO-FACE BACKING PAD FOR USE WITH TAPERED **FOAM PADS**

Specifically designed for use with our tapered foam pads. Velcro face provides a no-slip grip, but allows quick and effortless pad changes. 6 1/2" diameter pad,

Stock No. 51725

5/16"-24 thread.

FITS DA SANDERS

FITS BLACK & DECKER 7" RUBBER BACKING PLATE WITH

FLANGE NUT

Rubber pad for use on %"-11 threaded spindles on all vertical or angle polishers. Max safe speed 5000 RPM. Individually carded.

Stock No. 51824

Flange Nut only

Stock No. 50933

QUICK CHANGE PAD WITH FLANGE NUT

Made to fit Milwaukee polishers with %"-11 threaded spindles. Max. safe speed 5500 RPM. Individually carded. 6 cards per box.

Stock No. 51928

Flange Nut only

Stock No. 50936



FITS MILWAUKEE

7" RUBBER BACKING PLATE WITH FLANGE NUT

Rubber pad for use on %"-11 threaded spindle on all vertical or angle polishers, including Makita. Max. safe speed 5000 RPM. Individually carded. 6 cards per box.

Stock No. 51829

Flange Nut only

Stock No. 50936



CONTOUR VELCRO-FACE 61/2" **BUFFING PAD**

For high-luster finish without swirl marks, use at low speed (max. 2000 RPM). %"-11 thread.

IDEAL FOR USE WITH AES FOAM BUFFING PADS

Stock No. 51720

IDEAL FOR USE WITH AES FOAM BUFFING PADS (PAGE 42)



AIR DRILLS PLUS

PINSTRIPE ERASER PAD

For use with AT-4038SG Carded. 6 per box. Max 4000 RPM.

Stock No. 51823



PINSTRIPE ERASER ADAPTOR

This adaptor allows you to attach your pinstripe eraser to ordinary electric or air drill. Carded. 6 per box.

Stock No. 51823-1

FOR PERMANENT MOUNTING



FOR REMOVABLE

5/16" THREAD ARBOR WITH 1/4" SHANK

Carded. 6 per box.

Stock No. 51823-2







%" ANGLE REVERSIBLE DRILL

Air-powered angle drill is 8 1/4" in length and perfectly balanced for accuracy. 3/8" chuck & key.

Stock No. 637

%" PLANETARY GEAR

REVERSIBLE AIR DRILL

SPECIFICATIONS: Tool Length- 7 1/2"; Air Inlet- 1/4" NPT: Hose Size-3/8" ID: 1/4" NPT. Individually boxed.



DRILL ATTACHMENTS

DRILL ATTACHMENTS REQUIRE A 3/4" CHUCK OR LARGER.

RIGHT-ANGLE DRILL ATTACHMENT

Instantly turn any electric or air powered drill (with a %" or larger chuck) into a right angle drill for reaching tight spots. Also provides an additional 5 ½" in length. Features permanently lubricated ball bearing construction and a Jacobs chuck.

Stock No. 10638

SHEET METAL NIBBLER



ASSORTED AIR TOOLS

SPOT WELD DRILL

Drill out the entire spot weld without grinding. Includes an adjustable "depth stop" for complete removal of the spot weld without cutting in to the panel underneath. Overall length 10 1/4"; 1800 RPM; 3.5 lbs; 1/4" NPT air inlet; 5/16" drilling cap. Individually boxed.

Stock No. 634



AIR SHEET METAL NIBBLER

Specifications: Capacity- 18 Ga; Air Pressure- 90 PSI; Air Consumption- 10 CFM; Air Hose Size- 3/8" ID; Air Inlet- 1/4" NPT; Strokes per Minute- 210; Cutting Speed- 5.2 FPM. Individually boxed.

Stock No. 655

Replacement Die

Stock No. 655-11

Replacement Punch

Stock No. 655-10

3" AIR CUT-OFF TOOL For 3" cut-off wheel. Blister carded. SPECIFICATIONS: Speed - 18,000 RPM;

Air Consumption - 4 CFM; Air Inlet - 1/4" NPT; Capacity - 3/8";

Minimum Hose Size - 3/8" ID; Air Pressure - 90 PSI.

Stock No. 680



INCLUDES AIR

REGULATOR



AIR PUNCH & FLANGE TOOL SPECIFICATIONS:

Hole Punch Diameter-3/16"; Hole Punch Capacity-14 Ga; Flanger Capacity-14 Ga; Air Pressure-90 PSI; Net Weight-4lbs; Tool Length-9 1/2". Individually boxed.

Stock No. 661

AIR SPEED SAW

Powerful air saw comes complete with four blades for cutting a variety of materials such as wood, plastic, fiberglass and metal. Also accommodates files width 1/4": shank.



Speed Saw Replacement Saw Blade Set. Carded.

Stock No. 671-4



AIR KNIFF/CUTTER

Designed for quick and easy windshield removal, it cuts the sealant by pulling the bonded and encapsulated glass. Includes exhaust hose and the 3 blades shown.

Stock No. 682



INDIVIDUAL ACCESSORIES

AIR KNIFE BLADES

For use with our #682 Air Knife Cutter for great versatility. Blades have extremely sharp edges for slicing through windshield sealant for quick and easy removal. Carded.

3 1/2" Hook Blade (5" overall length

Stock No. 682-1

2" Hook Blade (3%" overall length)

Stock No. 682-5

3 1/2" Reverse Curve Rlade

Stock No. 682-2

2" Thin Curve Blade (3 %" overall length)

Stock No. 682-8

1 %" Straight Blade (2 %" overall length)

Stock No. 682-9



SPECIFICATIONS: Speed-10,000 RPM Air Comsumption-6 CFM; Air Inlet- 1/4" NPT:

Hose Size-3/8" ID, 1/4" NPT; Stroke Length-10mm; Cutting Capacity- 1.5mm. Individually boxed.

Stock No. 670

Body Saw Replacement Saw Blade Set. Carded.

Stock No. 670-4



INDIVIDUAL AIR CHISELS

Chisels are made of the best chrome-moly forged steel; 401 Parker Shank. Individually carded. 6 cards per box.

Single Edge

Stock No. 401

1" Flat Chisel

Stock No. 407

Double Edge

Stock No. 410

Panel Edger

Stock No. 411

1 1/2" Straight Blade

Stock No. 425





4-PC. "SHORTY" AIR CHISEL SET Hang-up double blister pkg.

.401 Parker Shank. 5" over all length.

Stock No. 61403

AIR IMPACT HAMMER SETS 1/4" air inlet; 3/4" ID hose: 90 PSI max.

3/4" Bore, 1 %" Stroke, 5000 BPM.

INCLUDES 4 CHISELS





AIR HAMMER

Comes complete with our #5120 quick-change retainer. Individually boxed.

SPECIFICATIONS:

Free Speed- 3200 Blows/Min; Air Consumption- 4 CFM; Air Hose Size- 3/4".

Tool Length- 7 3/4".

Stock No. 675



Carded, 6 per box. Stock No. 5120



QUICK-CHANGE .401 AIR HAMMER RETAINER

Field-proven to be the safest, fastest and easiest chisel retainer in the industry.
Carded, 6 per box.

Stock No. 3300-1



AIR RIVETERS



CHOOSE FROM A

RIVETS ON PAGE 49

AIR RIVETER

Handles rivets up to 3/16"

SPECIFICATION:

Capacity-Steel Rivets to 3/16"; Nozzles- 1/16", 3/32", 1/8" & 3/16"; Air Pressure- 80-100 PSI; Air Inlet- ½" NPT; Hose Size- 3/6" ID, ½" NPT, Tool Size- 12";

Individually boxed.

Stock No. 651

1/4" AIR RIVETER

Capcity: 5/32" (4mm) - ½" (6.4mm) Stroke Length: 11/16" (16mm) Air Consumption: 4.5 CFM

Air Inlet: 1/4"
Air Pressure: 90-100 PSI
Traction Power: 2750 LBS

Hose Size: %" ID Nozzle Pieces: 5/32",3/16",7/32",1/4"

Stock NO. 657





AIR RIVETER ONLY

Hydraulic piston for increased power. Ultra high speed ideal for assembly line. Sets rivet up to 3/16" in diameter. Easy operation in any position with one hand.

Stock No. AT-6015SG

ASSORTED AIR TOOLS



Stock No. 618



AIR CAULKING GUN

A must for the builder, window installer or auto mechanic. Will take standard size caulk cartridges & make applying large amounts of silicone a simple and easy job. 1.5 HP, 6 CFM.

Stock No. AT-193

AIR UNDER-COATING GUN

Specially made for shooting undercoating, chip guard and sound deadener. Aluminum construction. Special cup adaptor provided – will work with internal or external cup threads. Individually boxed.

Stock No. 620



AIR UNDER-COATING GUN Sprays all types of

Sprays all types of under-coating, chip guard and sound deadening materials. Individually boxed.

Stock No. 627





- Short Barrel air nammer
 4 CFM consumption: 90 PSI
- Develops 4500 blows per minute; 1/4" air inlet.

Stock No. 685

NEEDLE SCALER ADAPTOR

Convert almost any hammer into a scaler. For use with almost any air hammer. Nineteen needle attachments.

Stock No. 685-1



AIR NEEDLE SCALER

Remove rust, scale, paint, weld flux, cement and other residue from irregular surfaces. Works with nineteen 7" x 3mm hardened steel needles with 1-½" stroke @ 4600 BPM. 18" overall length. Individually boxed.

Stock No. 688



Replacement Needles

Set of nineteen 7" x 3mm hardened steel needles.

Stock No. 688-1





1/4" LONG SHAFT DIE GRINDER

Extended collet tube provides easy access into tight spaces. Ideal for grinding, edge-breaking, deburring and polishing.

Stock No. AT-7033LSG



1/4" STRAIGHT DIE GRINDER KIT Includes five 1/4" shank stones, five 1/8" shank

stones and 1/4" & 1/8" collets

Stock No. AT-7033K



1/8" MICRO GRINDER KIT

Slim, fit and comfortable design for greater accessibility. These micro grinders come with \(^1/8\)" collet. Built-in variable speed twist air regulator. Best used for precision deburring, grinding and etching.

Stock No. AT-010K



1/8" MICRO GRINDER KITS

Slim & comfortable design for greater accessibility.

Built-in variable speed twist air regulator.

Stock No. AT-011K



1/4" ANGLE DIE GRINDER

1pc. Air angle die grinder AT-7034SG

5pc. ¼" (6mm) shank grinding stones

5pc. 1/8" (3mm) shank grinding stones

1pc. nipple

2pc. wrenches

1pc. 1/3" (3mm) collet

1pc. blow mold case

Stock No. AT-7034SG



1/4" STRAIGHT DIE GRINDER KIT Includes five 1/4" shank stones, five 1/8" shank

stones and 1/4" & 1/8" collets

Stock No. AT-7035K



5" AIR ANGLE GRINDER

- Safety lever throttle
- Built-in regulator
- Hardened steel beveled gears for longer tool life

Stock No. AT-185SG



1/4" MINI DIE GRINDER Built-in regulator. Use for porting, polishing, deburring, grinding & more.

Stock No. AT-344SG



1/4" ANGLE DIE GRINDER Built-in regulator. Use for porting, polishing,

deburring, grinding and more.

Stock No. AT-7034SG



1/4" LONG SHAFT AIR DIE GRINDER WITH THIN BODY

- Capacity: 1/4" (6mm)
- Free Speed: 20,000 RPM
- Air Inlet: 1/4" BSP or NPT
- Air Hose (ID): 3/8"
- Avg Air Consumption: 4 cfm (115 1/min)
- Working Pressure: 90 PSI (6.3 Bar)

Stock No. AT-7032LSG

AIR RIVETER KIT

Kit includes the AT-6015 air riveter shown above. Also includes 3 x 10pc bags of rivets and all necessary accessories. Nipple, oil pot, return springs, o-rings, wrenches and more.

Stock No. AT-6015KSG





AIR RIVET GUN

Rivet capacity: 3/32", 1/8", 5/32", 3/16".



AIR METAL SHEAR

Hardened steel blades allow smooth and clean cut through sheet metal, aluminum & plastic. Specially designed cutter head makes straight and contoured cut with minimal edge distortion.

Stock No. AT-170SG



AIR METAL SHEAR STRAIGHT BODY

Steel: 18GA/1.2mm Stroke Per Minute: 2,200 RPM Air Inlet (PT): ½" Air Hose (ID): ¾"

Avg. Air Consumption: 4 cfm (113 1/min) Suggested Air Compressor: 1.5 HP

Stock No. AT-171



AIR GREASE GUN

Heavy duty construction. Designed to take a standard size grease cartridge or bulk grease. Includes a rigid metal and a flexible rubber grease hose.

Stock No. AT-6036



AIR HAMMER KIT

1 Air Hammer,1 Inlet Adaptor, 1 Retaining Spring, Five 7" Chrome Molybdenum Chisels: spot weld cutter, sheet metal trimmer, taper punch, flat and panel cutter.

Stock No. AT-2012KSG



%" REVERSIBLE AIR DRILL WITH KEYLESS CHUCK

Durable, light weight aluminum housing. Variable speed throttle. Convenient one-hand operation with side mounted F/R level. Handle exhaust. 1,800 RPM, 90 PSI. 6 CFM

Stock No. AT-4031KLSG



%" REVERSIBLE AIR DRILL

Durable, light weight aluminum housing. Variable speed throttle. Convenient one-hand operation with side mounted F/R level. Handle exhaust. 1,800 RPM, 90 PSI. 6 CFM.

Stock No. AT-4031SG



1/2" REVERSIBLE AIR DRILL

Variable speed throttle, heavy duty ball and needle bearing. More power and longer life.

Stock No. AT-4041SG



½" REVERSIBLE AIR DRILL WITH KEYLESS CHUCK

Variable speed throttle, heavy duty ball and needle bearing. More power and longer life. 400 RPM, 90 PSI, 8 CFM.

Stock No. AT-4041KLSG



%" AIR STRAIGHT DRILL Variable speed throttle for easy start.

Stock No. AT-4038SG







34" AIR IMPACT WRENCH

Pistol grip for comfort and easy handling. Ideal for spring works, pinion nut removal and major engine teardown. Sheer power to tackle the toughest jobs easily. 4500RPM 12CFM 3HP Torque: 500ft-lbs

Stock No. AT-261SG

TECH TIP:
TO ENSURE YOUR AIR TOOL
A LONG LIFE. AT THE END
OF THE DAY, RUN A FEW
DROPS OF AES AIR TOOL
OIL TO ENSURE A
RUST FREE LIFE.





1" AIR IMPACT WRENCH KIT

Built-in adjustable speed regulator. Oil bath lubrication. Removable side handle for greater control. Extended anvil reaches deep into truck wheels easily. Ideal for general repair work on trucks, tires & heavy equipment. Includes 38mm & 41mm impact sockets. Inside trigger only. 3,500 RPM, 40 CFM, 5 HP, 1400 ft-lbs of torque.

Stock No. AT-285-6K



1" HD IMPACT WRENCH

Built-in adjustable speed regulator. Oil bath lubrication. Greater torque for the toughest jobs. Ideal for general repair work on trucks, tires & heavy equipment. Outside trigger only.

SPECIFICATION:

- MAX TORQUE (ft-lb 2,300)
- AVG. AIR CONSUMPTION (cfm 40)
- WORKING PRESSURE (Psi 115)

Stock No. AT-8006



%" BUTTERFLY IMPACT WRENCH

Built-in regulator varies speed and power. Swivel air inlet provides easy maneuvering. Ideal for transmission, body panel, exhaust system and small engine repair.

Stock No. AT-5030



%" AIR RATCHET WRENCH

Comfortable rubber grip. Easy reversible action with paddle style trigger. Ideal for small engine repair & bench jobs.

Stock No. AT-5052SG



AIR NIBBLER

Lightweight and compact design. Cuts up to 16 gauge steel without leaving burrs or deformed edges. Adjustable die can be placed in various positions as needed

Stock No. AT-7038



Includes:

- Needles.
- · Short barrel air hammer.
- 4 CFM consumption: 90 PSI
- Develops 4500 bpm; 1/4" air inlet.

Stock No. 685





1/4" MINI AIR RATCHET

Comfortable rubber grip. Easy reversible action with paddle style trigger. Ideal for small engine repair & bench jobs.

Stock No. AT-5055SG



SPECIFICATION:

- FREE SPEED (rpm 160)
- AVG. AIR CONSUMPTION (cfm 4)
- WORKING PRESSURE (Psi 90)

½" AIR RATCHET Stock No. AT-5053



34" AIR IMPACT WRENCH

Stock No. AT-262

SPECIFICATION:

- MAX TORQUE (ft-lb 700) (N-M 948)
- AVG. AIR CONSUMPTION (cfm 8)



NEEDLE SCALER ADAPTOR

For use with almost any air hammer.

19 needle attachment.

Stock No. 685-1



1500W ADJUSTABLE-TEMPERATURE HEAT HEAT GUN/STRIPPER KIT

Great for a variety of uses, including paint removal, spot drying, removal of adhesive-applied tile or linoleum, thawing frozen pipes, locks and more. Dual heat setting: 600° F and 1100° F. Reaches maximum temperature in only 45 seconds. Comes with PVC carrying case.

Stock No. HG-250





HIGH-TEMPERATURE HEAT STRIPPER GUN WITH 3 ACCESSORIES

Great for a variety of uses, including paint removal, spot drying, removal of adhesive-applied tile or linoleum, thawing frozen pipes, locks and more. Dual heat setting: 600° F and 1100° F. Reaches maximum temperature in only 45 seconds.

Stock No. HG-150



ELECTRIC VARIABLE SPEED SHEAR

- •120V / 4 amp Variable speed 0-2,500 RPM.
- Heavy duty steel shear head cuts up to 14-gauge mild steel and most grades of stainless steel to 16 gauge.
- Top quality high-speed steel cutting blades.

Stock No. 44125



7" VARIABLE SPEED POLISHER

- UL approved
- 1000 to 3000 RPM no load speed
- 7.3 lbs net weight
- Safety handle
- · Powerful 11 amp motor
- Spindle lock
- Dial wheel speed control
- Rubber pad & spindle nut
- Heavy-duty ball bearing motor
- Aluminum gear head housing

Stock No. CT-6101



3/32" ELECTRIC SHEAR Cuts up to 3/32" Capacity

- 110 volt-60 Hz
- 2200r/min 3/32"
- 380 watt

Stock No. 44100



1/8" ELECTRIC SHEAR

Cuts up to 1/8" Capacity

- 110 volt-60Hz
- 500 watt
- 1000r/min 1/8"

ROTARY WIRE BRUSHES & WHEELS

BRASS COATED STEEL

WIRE CUP BRUSHES WITH 14" SHANKS

Constructed of fatigue-resistant, crimped steel wire, these autobody engine work brushes remove paint, carbon, rust and corrosion. They also clean out gasket residue and pitted surfaces. The 1/4" shanks fit all portable drills. Maximum safe speed 4,500 RPM.



Stock No. 1841	2" Diameter Coarse Wire
Stock No. 1842	2" Diameter Fine Wire
Stock No. 1843	3" Diameter Coarse Wire
Stock No. 1844	3" Diameter Fine Wire

BRASS COATED STEEL

SPINDLE-MOUNT CRIMPED WIRE **CUP BRUSHES**

Direct spindle mount, .014" crimped carbon steel wire. Excellent for paint, scale and light rust removal from flat surfaces and edges. Provides continuous brushing action. %-11 thread.

Max. 12,500 RPM. Individually boxed. Stock No. 1833 3" Diameter

Stock No. 1834	4" Diameter (carded)
Stock No. 1835	5" Diameter
Stock No. 1836	6" Diameter

WIRE WHEELS WITH 14" SHANKS The 1/4" shanks fit all portable drills and have a maximum safe speed of 4,500 RPM.

Stock No. 1864



4" Diameter Coarse Wire



4" NYLON FILAMENT FLAP WHEEL

- 4500 max RPM
- 1/4" shank
- Lasts up to 6 times longer than wire brushes
- Non-oxidizing, will not react with metal
- Non-sparking for safer use
- Will not load or clog

Stock No. 51694

½" ARBOR

Quality one-piece construction offers durability and strength. The $\frac{1}{4}$ " shank and $\frac{1}{2}$ " body holds all $\frac{1}{2}$ " bore accessories. Maximum RPM 25,000. Individually carded. 6 cards per box.

Stock No. 1300



THE SKINNER

2" wire brush is encapsulated in a green synthetic compound for an extended life and reduced wire breakage. Fits our #1300 Arbor. ½" arbor hole, Carded, 6pcs, per box.

Stock No. 1230



KNOTTED WIRE CUP BRUSHES

- · For use with electric angle grinder
- · Knotted steel wire
- Thread %" x 11 (10,000 max RPM)

3" Brush

Stock No. 1733

4" Brush

Stock No. 1734



STEEL WIRE BRUSHES



20-PC. DISPLAY BOX OF ASSORTED WIRE BRUSHES & WHEELS All with 1/4" shanks.

3" & 4" Wire Brushes & Wheels:

- 10 pcs. 4" dia. Wire Wheels
- 10 pcs. 3" dia. Cup Brushes

Stock No. 1820

1", 2" & 3" Wire Brushes & Wheels:

- . 5 pcs. 2" dia. Cup Brushes
- 5 pcs. 3" dia. Cup Brushes • 5 pcs. 2" dia. Wire Wheels
- 5 pcs. 1" dia. End Brushes

Stock No. 1821

BRASS COATED STEEL

SOLID-ENDED WIRE **BRUSH WITH** 14" SHANK

Constructed of coarse crimped steel wire. %" in diameter with a 1/4" shank. Fits all portable drills. Ideal for quickly removing carbon from cylinder heads, valve ports and pistons. Individually carded, 6 per box.

Stock No. 1848



NYLON FILAMENT CLEANING BRUSHES

Unique brush material is made of a special nylon filament impregnated with silicon carbide. Uses include: Cleaning, Polishing, Deburring, Scrubbing and Brightening, Surface Refinishing and Decorative Finishing. Can also be used on wood, aluminum and plastic surfaces. Carded.

- LASTS SIX TIMES LONGER THAN WIRE BRUSHES
- NON-OXIDIZING WILL NOT REACT WITH METAL
- SAFER NON-SPARKING WON'T LOAD or CLOG

2" Cup Brush, 1/4" Shanks (4500 max. RPM)

Stock No. 51872



3" Cup Brush, 1/4" Shank (4500 max. RPM)

Stock No. 51873



GREAT FOR TRUCK BED LINING

4" Cup Brush, 5/4"-11 Thread (8500 max. RPM)

Stock No. 51885



6" Cup Brush. %"-11 Thread (6500 max. RPM)

Stock No. 51886



5" Cup Brush, 5/4"-11 Thread (6500 max. RPM)

Stock No. 51887



3" Wheel 1/4" Shank (4500 max. RPM)

Stock No. 51883



4" Wheel. 1/4" Shank (4500 max. RPM)

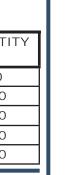


SURFACE CONDITIONING DISCS





STOCK NO.	DIAMETER	TYPE	MOUNT	QUANTITY
7421	2"	Very Fine	Rolok	50
7424	2"	Coarse	Hook & Loop	100
7425	2"	Medium	Hook & Loop	100
7434	3"	Coarse	Hook & Loop	100
7435	3"	Medium	Hook & Loop	100





Interchangeable with 3M's Roloc®

ROLOK® DISK HOLDERS WITH 1/4" SHANK

Stock No. 5542	2" Diameter
Stock No. 5540	3" Diameter
Stock No. 5544	4" Diameter

2" SURFACE CONDITIONING DISCS ROLOK® BOXES OF 50

Stock No. 7422 2" (Brown) Coarse Stock No. 7423 2" (Maroon) Medium

3" SURFACE CONDITIONING DISCS **ROLOK® BOXES OF 25**

Stock No. 7432 3" (Brown) Coarse Stock No. 7433 3" (Maroon) Medium

4" SURFACE CONDITIONING DISCS **ROLOK®** BOXES OF 25

Stock No. 7442 4" (Brown) Coarse Stock No. 7443 4" (Maroon) Medium



PACKAGES OF 10 2" VELCRO-BACKED

SANDING DISCS

SEE PAGE 21 FOR OUR #630 MINI ANGLE SANDER WITH 2" VELCRO-FACE PAD

Stock No. 62020	20 Grit
Stock No. 62040	40 Grit
Stock No. 62060	60 Grit
Stock No. 62080	80 Grit
Stock No. 62100	100 Grit
Stock No. 62150	150 Grit



4" PAINT & RUST STRIPPER

• Sand wood, plastic or fiberglass

· Remove paint, rust or scale from metal Stock No. 8464

2" x 36 Grit **OF 100** Stock No. 2407 Stock No. 2408 2" x 24 Grit

2" x 80 Grit

2" x 80 Grit

Stock No. 2409 2" x 100 Grit Stock No. 2410 2" x 120 Grit

ROLOK 2" SANDING DISCS

Stock No. 2405

Stock No. 2406

ROLOK 3" SANDING DISCS

Stock No. 1405 3" x 80 Grit Stock No. 1406 3" x 50 Grit Stock No. 1407 3" x 36 Grit Stock No. 1408 3" x 24 Grit 3" x 100 Grit Stock No. 1409 3" x 120 Grit Stock No. 1410

BOXES OF 50

BOXES

4 ½" X %" FLAP WHEELS Coated aluminum oxide abrasive discs are perfect for heavy stock and blemish removal on steel and aluminum. Packed in hang-up blister card.

Stock No. 51840	40 Grit
Stock No. 51860	60 Grit
Stock No. 51880	80 Grit





SURFACE PREP & CLEANING DISCS Quick-change discs are great for the toughest cleaning and surface prep jobs such as sanding wood, fiberboard or plastic; remove old paint, rust and scale from metal. Faster and more efficient than wire brushes. Made on non-loading resin-coated open web fiber that will not rust or splinter.

Stock No. 7462	2" Diameter
Stock No. 7463	3" Diameter
Stock No. 7464	4" Diameter

SANDING & GRINDING RELATED





SCUFF-A-LOT®

BOXES OF 10

6" SCUFF-A-LOT SCUFF PADS WITH PSA BACKING

SCUFF-A-LOT- scuff pads attach to DA sanders with pressure-sensitive adhesive backing for quick and easy application and removal. Save time and effort by "power scuffing" instead of hand scuffing. 10 pads per box.

Stock No. 7506

Maroon (Medium)

SEE PAGE 24
FOR OUR **NEW**SELECTION OF
ASSORTED SAND
PAPERS

Stock No. 7507 Grey

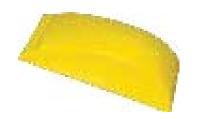
Grey (Fine)

FOAM HAND SANDING BLOCKS

Contoured foam shape reduces fatigue and discomfort associated with hand sanding.

Stock No. 52984

Uses 6" PSA DA sanding disc.





Stock No. 52987

4" x 7" vinyl face

6" HAND-FORM CONTOURED FOAM SANDING BLOCK

For use with PSA-backed 6" discs of sandpaper.
Comfortable contoured foam shape reduces fatigue and discomfort associated with hand sanding.

Stock No. 52930



DUAL-SURFACE

FOAM SANDING BLOCK

For use with PSA-backed 5" x 2 3 4" sheets of sandpaper. One side of the block has a firm foam surface for flat and edge sanding; the other side is softer foam for sanding curved shapes.

Stock No. 52936



3 PER PACKAGE

3 PC. SCUFF-IT PADS

- Extra Fine
- For clear coat blending, resists loading and build up can be cleaned and used over again.
- 3 pieces 6" x 9" non-woven nylon scuff pads.

Stock No. 9508



TEARDROP SANDING BLOCK 5" Length. Combines a curve with a flat surface for hard to sand areas.

Stock No. 52985



FOAM SANDING PAD 6" DA DISC

Stock No. 52939

For use with 6" hook & loop DA Discs.

CONTOURED FOAM SANDING PAD

For use PSA-backed 5" x 2 ¾" sheets of sandpaper. Contoured foam shape reduces fatigue and discomfort associated with hand sanding.

Stock No. 52932





CONTOURED FOAM SANDING PAD

For use with PSA-backed 5" x 2 3/4" sheets of sandpaper. Comfortable contoured foam shape reduces fatigue and discomfort associated with hand sanding.

SANDING & GRINDING RELATED



DURABLE & ECONOMICAL

2-WAY RUBBER SANDING BLOCK

Works with PSA stick-on sandpaper, or standard sandpaper secured with molded-in spikes. Carded.

Stock No. 922

INCLUDES 4 PIECES PSA SANDPAPER FOR FREE!

5" VINYL

SANDING BLOCK

Secures 3" x 8" wet or dry sandpaper in place with molded-in . spikes. 2 5/8" x 5" dimpled bottom. Use on flat or curved surfaces

Stock No. 923

(Add "-CD" to Stock No.

CARDING IS DESIRED

AVAILABLE IN

"NEON" YELLOW ORANGE & GREEN



12PC 5" VINYL #923 SANDING **BLOCKS IN** COUNTER

DISPLAY BOX

Display box contains 12 pieces of the #923 vinvl sanding blocks in assorted hot "neon" colors.

Stock No. 12923

AVAILABLE IN "NEON" YELLOW ORANGE & GREEN



"BIG MUDDER" 9" VINYL SANDING BLOCKS

Extra-long vinyl sanding block has dimples on the bottom for extra grip. Uses standard 9" x 11" wet or dry sandpaper.

Stock No. 929

(Add "-CD" to Stock No. if carding is desired)



6-PC. 9" VINYL #929 SANDING **BLOCKS IN** COUNTER **DISPLAY BOX** Display box contains 6 pieces of the #929 sanding blocks in hot "neon" colors. Stock No. 6929

6" FLEXIBLE SANDING PAD

Flexible foam rubber and vinyl pad conforms to all surfaces. Great for concave or convex surfaces that are difficult for a sanding board or block. Uses 6" round PSA sanding paper. Individually carded.

Stock No. 926

"MIGHTY SANDER" SANDING BLOCK High-impact plastic with cushioned bottom. Powerful spring-loaded clamps hold a half-sheet of 9" x 11" sandpaper firmly in place.



SEE PAGE 24 FOR OUR NEW SELECTION OF ASSORTED SANDPAPERS

HARDWOOD SANDING BOARDS

Holds abrasive paper with tight gripping lever style clamps. Comfortably contoured handles are made of hardwood and mounted on a sturdy anodized aluminum base with a cushioned bottom. Individually boxed. 12 per case.

6 34" base length (use 2 3/4" x 8" sandpaper)

Stock No. 6073

В

9 1/2" base length (use 2 3/4" x 11" sandpaper)

Stock No. 6074

15 3/4" base length (use 2 3/4" x 17" sandpaper)

Stock No. 6075

15 - 1/2" base length (use 2 3/4" x 17" sandpaper)

Stock No. 6076





DEPRESSED CENTER GRINDING WHEELS

DEPRESSED CENTER WHEELS FOR METAL

Heavy-duty fiberglass, fully reinforced. Removes metal faster with the longest possible life. Designed to maintain proper angle point. 25 per box

Stock No. 10040 Stock No. 10055

4" x 1/4" x 5/8" A24R

4 ½" x ¼" x ¾" A24R

4 1/2" GRINDING WHEEL FOR STONE

Stock No. 10057

4 ½" x ¼" x %"; 13,300 RPM

4 1/2" X 1/4" with 5%" x 11 Hub Stock No. 10055-H



DEPRESSED CENTER WHEELS WITH **BUILT-IN HUBS**

Heavy-duty fiberglass, fully reinforced wheel. Removes metal faster with the longest possible life. Designed to maintain proper angle point. 8,500 RPM. 10 per box.

Stock No. 1072-H Stock No. 1075-H

7" x 1/4" x 5/8"-11

7" x 1/4" x M14



POLISHING RELATED





AUTOMOTIVE POLISHING & CLEANING KIT

Kit contains Red Rouge fine abrasive; one 3" full-sewn buffing wheel; White Rouge (for a high gloss shine on metals and plastics); one 3" one-sew Loose buffing wheel. Both buffing wheels supplied with a ½" arbor. Carded.

Stock No. 7600

COTTON BUFFING WHEELS

Durable buffing wheels have super soft edges for a perfect finish. ½" center hole. 40 ply ½" thickness. Packaged in hang-up poly bags.



Stock No. K-153

Stock No. K-154

C+--I. NI- IZ 15/

Stock No. K-156

Stock No. K-158

3" Diameter

4" Diameter

6" Diameter

8" Diameter

3" COTTON BUFFING WHEELS WITH 1/4" ARBOR HOLES

Packaged in hang-up poly bags.





Full-Sewn

Stock No. 7605

Loose Flap Stock No. 7606

1/4" BUFFING WHEEL ARBOR Ideal for use with our cotton buffing wheels with 1/4" arbor holes. Carded.

Stock No. 53103



4-WHEEL POLISHING KITS

Choose from non-woven fiber wheels or felt wheels for polishing, deburring, cleaning and more.

Wheel dimensions: 2" x ½'² x 5/16".

Each set includes ¼" shank arbor.

Non-Woven Fiber 80-grit (maroon)

Stock No. 95300



Stock No. 95301



Felt, for fine Polishing (white)

Stock No. 95302

3-WHEEL SAMPLE KIT Includes one of each wheel described

wheel described above, along with a ½" shank arbor."

Stock No. 95304



3PC JEWELERS ROUGE

RED ROUGE- for buffing gold, platinum, silver, sterling and more.

WHITE ROUGE- gives bright shiny luster to steel, aluminum, chrome, nickel and more.
BROWN TRIPOLI- for buffing brass, copper, pewter, plastic and more.

Stock No. K-152-3

Red
Stock No. 7601

White
Stock No. 7602

Brown
Stock No. 7603





WONDER SPONGE

Perfect for the workshop, marina, household, campsite and garage. Absorb 8 times its own weight! Made of highly absorbent material that actually sucks up liquids quicker and more abundantly than conventional sponges.

Stock No. 52999

3PC FELT POLISHING BOB SET

Versatile assortment of felt polishing bobs in several different shapes for a variety of contours and surfaces. Includes plastic stand. ¼" shanks.
Set carded.

Stock No. 6500



FELT POLISHING BOBS WITH JEWELERS ROUGE

4 Polishing Bobs with 1/4" shanks; 2 Jewelers Rouge.

Stock No. 6501



POLISHING ROUGE



3" FULL SEWN COTTON BUFFING WHEEL WITH

1/4" ARBOR

3" diameter full sewn cotton buffing wheel with ½" arbor to get that full cleaning and polishing effect from any compound.



Stock No. 7605-2

3" LOOSE FLAP COTTON BUFFING WHEEL WITH 1/4" ARBOR 3" diameter loose flap

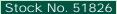
3" diameter loose flap cotton buffing wheel with ½" arbor to get that full cleaning and polishing effect from any compound.

Stock No. 7606-2



9" FOAM POLISHING BONNET

Eliminate swirl marks, pad changing and the expense of backing plates. The yellow foam pad has a heavy elastic band to secure it over any 7 ½" buffing pad. Can be installed or removed in seconds. Washes up easily to be used again and again. Max. 2,000 R.P.M.





10" ALL PURPOSE DUSTER

Cleans cars, boats, offices, stores, garages, houses and more. Dust cover can be removed for washing.

Stock No. 4324

MUSHROOM BUFFS

Great for polishing grooves and other recessed areas. Comes mounted on a $\frac{1}{4}$ " hex shank, runs up to 1,500 rpm. Get in tight with these buffs. The fine-weave cotton of this mushroom shaped buff works faster than conventional felt bobs and last longer. The $\frac{1}{4}$ " smooth shaft resists slipping in your drill chuck while its plastic ferrule prevents scratching the recessed areas of your work piece.





FACER BUFFS

Get in tight with these buffs. Great for polishing flat recessed areas that are too large for felt bobs. Facer buffs are similar to mushroom buffing wheels except they have a flatter surface area. Comes mounted on a $^{1}\!4^{\text{H}}$ hex shank. The fine-weave cotton of these facer buffs work faster than conventional felt bobs and last longer.

Stock No. 162-17

Small

Stock No. 162-18

Large

CYLINDER BUFFS

These specially designed cylinder buffing wheels are excellent for reaching into those tight crevices and polishing the contours of deep dish wheels and engines. Pre-mounted on a $^{1}4$ " shank to slip easily into your drills and pneumatic tools.

Medium
1½" approximate width
Stock No. 162-11



Large
2" approximate width
Stock No. 162-12



CONE BUFFS

These specially designed cone buffing wheels are much like our cylinder buffs excellent for reaching into those tight crevices and polishing the contours of deep dish wheels and engine parts. The tapered end of the cone reaches the hard to get spot that can missed by cylinder buffs. Pre-mounted on a ½" shank to slip easily into your drills and pneumatic tools.

Medium-tapers 2" to 1" approximate.

Stock No. 162-13



Large-tapers 2 ½" to 1" approximate

Stock No. 162-14





MUSHROOM SCUFFS

Our new mushroom shaped scuff pads are great for paint, rust, and oxidation removal, especially in hard to reach areas. The scuff pad is made of nylon web material very similar to Scotch-Brite material which is commonly used to remove rust and light paint.

This mushroom-shaped pad design works faster than conventional scuff pads because it can be mounted on a standard drill and spun at speeds up to 1,500 rpm. These scuff pads are perfect for manifold restoration.

Stock No. 162-30

2" Diameter
3" Diameter

Stock No. 162-35 Stock No. 162-40

4" Diameter

SYNTHETIC CHAMOIS Use your Chamois for: cars, car

tiles, sink, glass, windows, mirrors, crystal, kitchen, silverware, stoves and much more.

Comes in plastic case to keep Chamois in good condition.

L 17" x W 25".



POLISHING RELATED



5PC 3" MINI BUFFING PAD SET This kit contains four velcro backed 3" pads that will cover all your fine detail work from compounding to final finish. The kit includes a backing pad with a 5%" - 11

thread for use with your polisher and an adaptor with a 1/4" shaft that allows you to convert your drill or die grinder into a polisher.

Stock No. 76400



REAL LAMB'S WOOL 9" POLISHING BONNET Wool tie-on bonnet provides a rich swirl-free luster for a glossy final finish.

Stock No. 7652



51950 WOOL BUFFING PAD IS SHOWN ON OUR #51726 VELCRO-FACE BACKING PAD (SEE PAGE 27)

VELCRO-BACKED WOOL BUFFING PADS

Fine quality 1" wool pile buffing pads have velcro backing for use with velcro-face backing pads, such as our #51726 (5" pad) and #51727 (7" pad) featured on page 27.

Stock No. 51950

5" Diameter Pad

Stock No. 51970

7" Diameter Pad

BONNET **CLEANING TOOL** Quickly fluffs and cleans buffing pads and bonnets. Removes glazed surfaces and loosens packed wool to prolong the life of the pad. Carded. Stock No. 711



2" FELT ROLOK DISC

For cleaning and polishing. 3pcs per package.

Stock No. 7472

DOUBLE-FACE BUFFING PAD ADAPTOR

This adaptor allows double sided polishing pads such as AES-7653 to be used on any polisher with %"-11 thread.

Stock No. 50939





9" DOUBLE SIDED WOOL BUFFING PAD

Unique double face construction allows both sides of the pad to be used. Built-in lightweight support pad eliminates the need for heavy backing pads.

Stock No. 7653

FOR USE WITH 7653





COLOR CODED WOOL **BUFFING PADS**

Superior to ordinary wool pads in a number of ways. With five varieties to choose from, you can create the optimal finish on any vehicle whether your business is high volume, commercial or show-car specialty.

Black-Heavy Cut Stock No. 51530 Stock No. 51535

Yellow-Medium Cut

Stock No. 51540 Blue-Finishing Stock No. 51550

White-Ultra Fine Polish

Stock No. 51545

Green-Light Cut

7" WOOL SOUP BOWL BUFFING PAD

- · Can be used with either velcro-face or rubber backing pads with flange nut.
- · Use for compounding and polishing.
- 1-1/4" wool pile. More wool per square inch than the competition.
- Use with AES-51737 Velcro Face backing pad or AES 51824 rubber pad.



THE EDGE DOUBLE SIDED WAFFLE PAD

- Resists hopping that may occur when wet flat surfaces pads dry out.
- · Allows air to circulate, cooling the surface.
- · Reduces splattering of chemicals and fluids.
- Top-quality reticulated polyester foam outlasts competing pads.
 The Edge waffle pad is 9.5" edge to edge, 8" face, bevelled edge.

Stock No. 51245

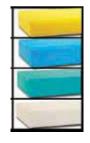
Stock No. 51250

ADAPTOR FOR WAFFLE PADS Stock No. 51255





Aggressiveness & Applications:



Stock No. 51235	Heavy Cut: Very aggressive cutting pad, works fast while reducing risk of burning. For heavily oxidized or pitted finishes, removes wet sand scratches.
Stock No. 51240	Soft Polish: Our most versatile had buff with light compound on clearcoats

rinse with water, apply polish or wax. Great for humid weather when waxes make cake.

Light Cut/Polish: Everyday cutting for average cars, light condition. Add compound for a flawless finish on base coats. A must in every detail shop.

Ultrafine Polish: Ultra-smooth surface, finer than any pad on the market. Creates a bold crystalline gloss. For new, exotic or expertly restored cars only.





ShMitt DOUBLE SIDED MICROFIBER WAFFLE PAD WASH MITT

- · Will conform to any surface or shape.
- Holds more suds, won't snag or slip off of your hand.
- No sloppy corners, hoses clean in seconds, reduces fatigue because you don't need to grip it.
- Repels grit to help prevent scratching.
- · Unlike wool or fabric, the ShMitt foam retains texture, performs like new after dozens of uses.





Black/Black: Our most aggressive cut for tires, rims, wheel wells.

310CK 110. 31200			,	
Stock No. 51270	White/Yellov and yellow bug	w: Designed for overall and g scrubber.	interior use.	Soft white face

Stock No. 51280

White/White: Designed for overall use. Soft white face and back for cleaning lights, interiors and leather.

Stock No. 51290

Yellow/White: Designed for overall and interiors use. Aggressive yellow face and soft white back.



CONTOUR VELCRO-FACE 6" BUFFING PAD

For high-luster finish without swirl marks, use at low speed (max. 2000 RPM). %"-11 thread. IDEAL FOR USE WITH AES FOAM BUFFING PADS

Stock No. 51720

5/8" - 11 Thread



5 1/2" CONTOUR VELCRO FACE BACKING PAD %" - 11 THREAD For high-luster finish without swirl marks, use at low speed (max. 2000 RPM).

Stock No. 51722

5/8" - 11 Thread



7" VELCRO BACKING PLATE For use with "soup plate" style buffing pads such as AES # 51660 wool buffing pads and all other curved wool pads. %"-11 Thread.

Stock No. 51737

5/8" - 11 Thread

POLISHING & FILING RELATED

COLOR-CODED TAPERED FOAM PADS



• The ONLY Foam Pad with a tapered edge to fit into cracks, crevices and moulding edges to eliminate hand-finishing.

• The ONLY Foam Pad for compound cutting (Black Pad).



Ideal for heavy cutting of orange peel on acrylic finishes. Use on badly oxidized paint or buffing out deep scratches.

Stock No. 51730 BLACK



Medium-cut pad is made for buffing the average car finish; a standard for many body shops.

Stock No. 51735

YELLOW



The soft polishing pad for the final step in waxing and polishing clear coat surfaces

Stock No. 51740



Light-cut pad is the most versatile. Buff with light compound on clear coats, rinse with water, then apply polish or wax.

Stock No. 51745



Ultra-smooth polishing pad is finer than any other pad on the market. Creates a bold crystalline gloss.

Stock No. 51750 WHITE

OUR TAPERED FOAM PADS WILL WORK WITH EITHER A STANDARD 7" RUBBER BACKING PAD WITH FLANGE NUT OR OUR QUICK CHANGE **VELCRO FACE BACKING PADS. SEE PAGE 27** FOR OUR CHOICES OF BACKING PADS.



METAL FILE HOLDER

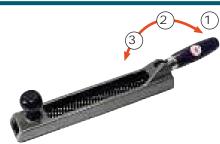
Use with 14" body files. Handle designed for both right and left hand use. Turnbuckle design permits flexing. Durable cast aluminum and plated steel construction.

Stock No. 429



10" "CHEESEGRATER" HOLDER Individually carded.

Stock No. 25-295



10" "CHEESEGRATER" HOLDER WITH THREE-POSITION HANDLE Individually carded. 6 per box

Stock No. 28-295



and contour auto body plastic to properly fit trunk lids, hoods, bumpers, headlight and tail light assemblies back on to the vehicle. Round, triangular, concave, convex and flat. Set carded.

Stock No. 7100

MILLED TOOTH FILES

14" metal body-work blades. Best for shaping soft metals, fiberglass and plastic filler. Individually carded.

Stock No. 430

8 Teeth Per Inch

6PC HSS ROTARY FILE SET



1/4" SHANKS

files with 1/4" shanks used for shaping and forming auto body plastics and soft metals around vehicle trunks, door, taillight

assemblies, etc. Clear plastic case.

Stock No. 37666

4-PC HSS ROTARY FILE SET



¼" SHANKS

Contains 4 popular rotary files used for shaping and forming auto body plastics and soft metals around vehicle trunks. doors, taillight assemblies, etc. 1/4:" shanks. Set carded. 6 per box.

Stock No. 37650

4PC ROTARY BURR SET



SHANKS

Contains 4 popular rotary burrs used for shaping and forming auto body plastics and soft metals around vehicle trunks, doors, taillight assemblies, etc. 1/4" shanks. Set carded 6 cards per box.

Stock No. 37670

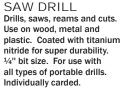
9PC SOLID CARBIDE



with 1/4" shanks.

Stock No. 37809

1/4" TITANIUM-COATED



Stock No. 237





3-PC. TITANIUM-COATED SAW DRILLS

Use with power drill to saw, ream, drill and cut through wood, metal and plastic. Coated with titanium nitride for durability. 5/16", 1/4" & 1/8" bit sizes. Set carded.

STEP DRILLS AND DRILL BITS

STEP DRILL BITS



3-PC. TITANIUM-COATED STEP DRILL SET

SIZES:

- 1) 1/8" to 1/2", 13 sizes;
- 2) 3/16" to ½", 6 sizes;
- 3) 1/4" to 3/4", 9 sizes.

Use on thin metals, (steel, copper, brass, aluminum), wood and plastics. Double-fluted. Includes handsome wood case.

Stock No. 96003



2-PC. H.S.S TITANIUM-COATED STEP DRILL SET

Sizes

1/8" to 1/2", 13 sizes 1/4" to 3/4", 9 sizes

Use on thin metals, (steel, copper, brass, aluminum), wood and plastics. Double-fluted. Carded.

Stock No. 96002



1/8" TO 1/2" 13-SIZE HSS TITANIUM-COATED STEP DRILL

Ideal for thin metals (aluminum, steel, copper, brass) and other materials, such as wood and plastics. Step design allows user to make perfectly round holes of 13 different sizes using only one bit. Titanium coated bits outlast and out-perform high speed steel. ¹/₄" shank. Carded.

Stock No. 96012



DOUBLE-ENDED 1/8" HSS STUBBY DRILL BITS WITH CHROMIUM FINISH 135° split point, high speed steel

for sheet metal. 12 bits per cylinder. 12 cylinders per box.

Stock No. 221

(Add "-12 to Stock No. if carding is desired)



TITANIUM COATED 1/8" STUBBY DOUBLEEND DRILL BITS WITH 135° SPLIT POINT

Last 6 times longer than regular HSS drill bits. Penetrates metal 3 times faster. Runs cooler and needs less pressure than HSS steel drill bits. Save time with less drill bit changes. 12 cylinders per box. 12 bits per cylinder.

Stock No. 261

(Add "-12 to Stock No. if carding is desired)



#30 DOUBLE-ENDED STUBBY DRILL BITS

Recommended for drilling the right size holes for installing ½" rivets. 12 bits per cylinder. 12 cylinders per box.

Stock No. 299

(Add "-12 to Stock No. if carding is desired)



6" PROGRESSIVE TOOTH COUNT RECIPROCATING SAW BLADE

The progressive tooth count fluctuates from 10 tpi to 14 tpi making this the perfect blade to cut nail-embedded lumber. 5 pieces per package.

Stock No. 03-6603

SPOT WELD CUTTERS

SPOT WELD CUTTER



9 PC MASTER SPOT WELD CUTTER SET SET CONTAINS:

- 1 %" cutter blade with arbor
- 15/16" cutter blade with arbor
- 2 %" replacement blades
- $2\,5/16$ " replacement blades
- 2 replacements pilots
- 1 hex key

Stock No. 236

%" SPOT WELD CUTTER

Drill out spot welds quickly and completely without cutting into the bottom skin. Leaves a clean hole that requires little or no grinding. The self-centering point prevents "walking". Solid one-piece cutter will stay sharp for hundreds of uses. Carded. 6pc per box

Stock No. 283



COMPOUND SPOT WELD CUTTERS

Removes spot welds without pre-drilling or pre-punching. The replaceable starting drill guides the main drill body and removes the weld in the outermost panel only. Because of its unique design, the drill will not walk off the spot weld area and is capable of removing spot weld at

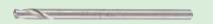
Stock No. 238

awkward angles. Made in USA.

%" Diameter

Stock No. 239

5/16" Diameter



REPLACEMENT PILOT DRILL BIT

Stock No. 238-1

3 cards per box





CARBIDE STEEL SPOT WELD CUTTERS

The spotweld cutter head is made from C-2 Carbide Steel.

The $\frac{1}{4}$ " shank is made from tool steel.

Max RPM: 22,000.

Stock No. 37816

5/16" Diameter
3/8" Diameter

Stock No. 37838

Stock No. 37812

½" Diameter



A "WIV-E" will remove spot-welds using an electric drill. High rate of removal w/less pressure.

Stock No. 2238

Stock No. 2239

5/16"





%" SPOT WELD CUTTER

This spot weld cutter has a %" double-ended blade with a ½" arbor with retractable pilot. Creates better panel separations than using a panel cutter. Blades interchange with other spot weld arbors. Individually carded. 3 cards per box.

Stock No. 230



3pc Replacement Blades Stock No. 231



%" HSS SPOT WELD CUTTER

Same dimensions as the #230 (shown above), but the high speed steel outlasts the others 5 to 1. $^{1}4^{\circ}$ HSS arbor with double-ended cutter. Individually carded, 3 cards per box.

Stock No. 234



3pc Replacement Blades
Stock No. 235

CUT OFF WHEELS

4" CUT-OFF WHEFLS

5 PC CARDED

Stock No. 3809	4" x 1/16" x ½"
Stock No. 3810	4" x 1/16" x 3/8"
Stock No. 3811	4" x 1/8" x 5/8"
Stock No. 3812	4" x 1/8" x 7/8"
Stock No. 3813	4" x 1/16" x 1/8"
Stock No. 3816	4" x 1/16" x 5/8"
Stock No. 3817	4" x 1/32" x 3/8"
Stock No. 3818	4" x 1/32" x ½"
Stock No. 3819	4" x 1/16" x ½"





METAL

4" CUT-OFF WHEELS

BOXES OF 100

Stock No. 3809-100	4" x 1/16" x ½"
Stock No. 3810-100	4" x 1/16" x 3/8"
Stock No. 3811-100	4" x 1/s" x 5/s"
Stock No. 3812-100	4" x 1/s" x 7/s"
Stock No. 3813-100	4" x 1/16" x 1/8"
Stock No. 3816-100	4" x 1/16" x 5/8"
Stock No. 3817-100	4" x 1/32" x 3/8"
Stock No. 3818-100	4" x 1/32" x ½"
Stock No. 3819-100	4" x 1/16" x ½"

41/2" CUT-OFF WHEELS

5 PC CARDED

Stock No. 3830 4 ½" X 1/16" X %"

BOXES OF 100

Stock No. 3830-100 4 $\frac{1}{2}$ " X 1/16" X $\frac{7}{8}$ "





METAL BOXES **OF 100**



METAL



3" CUT-OFF WHEELS WITH %" ARBOR HOLE

5 PC CARDED

3" x 1/32" X %" Stock No. 3803 Stock No. 3805 3" x 1/16" X 3/8" Stock No. 3808 3" X 3/32" X %"

BOXES OF 100

Stock No. 3803-100 3" x 1/32" X %" Stock No. 3805-100 3" x 1/16" X 3/8" 3" X 3/32" X 3/8" Stock No. 3808-100

3" CUT-OFF WHEELS WITH 1/4" ARBOR HOLE

5 PC CARDED

Stock No. 3814 3" x 1/32" X 1/4" Stock No. 3815 3" x 1/16" X 1/4"

BOXES OF 100

3" x 1/32" x 1/4" Stock No. 3814-100 Stock No. 3815-100 3" x 1/16" x 1/4"



INCLUDES AIR REGULATOR

3" AIR CUT-OFF TOOL For 3" cut-off wheel. Blister carded.

SPECIFICATIONS: **Speed -** 18,000 RPM; Air Consumption - 4 CFM; Air Inlet - 1/4" NPT; Capacity - 3/8"; Minimum Hose Size - 3/8" ID; Air Pressure - 90 PSI. Stock No. 680



Stock No. 3903-100 Stock No. 3905-100

3" x 1/32" X %" 3" x 1/16" X 3/8"



Stock No. 3930-100 4½" X 1/16" X 7/8"



Stock No. 3932-100 4½" X 1/32" X 7/8"



Stock No. 3910-100 4" X 1/16" X 3/8"



1/4'' & 3/8'' CUT-OFF WHEEL MANDREL Turn any die grinder or drill into a cut-off tool. Complete with 1/4" and 3/8" wheel adaptors. Carded. Stock No. 3804

CUTTERS



MIGHTY CUTTERS

Cuts all rubber and plastic hoses up to 1 $^{1}4$ " OD, including air hoses, garden hoses, vinyl side molding and rubber weather stripping. Easily creates arrow cuts, tapered cuts and straight cuts. Individually carded.

Stock No. 77150

REPLACEMENT CUTTER BLADE

1 per card. 6 per box.

Stock No. 77151







3-PC. SNIP SETS

Vinyl handles are color-coded for easy identification:

Yellow- straight cuts
Green - right cuts
Red - left cuts

Aviation Snip Set (Double Blister pkg.)

Stock No. 3303



Straight-Cut Aviation Snips
Stock No. 3303-S



SHEET METAL NIBBLER WITH BUILT-IN WIRE CUTTER

Cuts mild steel up to 18 gauge; aluminum, brass and copper up to 14 gauge. Also works on plastic sheets and tubing without distortion. Cuts by using a nibbling process in which the movable center blade cuts materials against stationary side blades.

Stock No. 3900



(Replacement Blade)

SNAPKNIVES, RAZORS & SCRAPERS

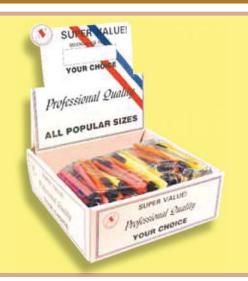
UTILITY KNIVES

COLORS MAY VARY

75-PIECE UTILITY KNIFE DISPLAY BOX

Attractive counter display contains 75 #243 knives.

Stock No. 243-75





PLASTIC RAZOR BLADES

For cleaning windows coated with sun film or laminated glass. Fits all standard razor blades scrapers.

Stock No. 87605

5pc per card

Stock No. 87606

100pc per box



#9 100-PC. BOX SINGLE-EDGE RAZOR BLADES

Stock No. 240

(Add "-CD" to stock number if carding is desired)



5-PC. CARD SINGLE-EDGE RAZOR BLADES Stock No. 250



PENCIL-SIZE SNAP-OFF BLADE UTILITY KNIFE

Made of ABS high-impact plastic with razor-sharp steel snap-off blades. Uses AES #249 Replacement Blades (shown below).

Stock No. 243

(Add "-CD" to stock number if carding is desired)



REPLACEMENT BLADES FOR #243 UTILITY KNIFE

Stock No. 249

10 BLADES CARDED



LARGE SIZE SNAP-OFF BLADE UTILITY KNIFE

Made of ABS high-impact plastic with razor-sharp steel snap-off blades; comfortable contour, sure-grip. Uses Stock No. 246. Replacement Blades (shown below).

Stock No. 245

(Add "-CD" to stock number if carding is desired)



10 BLADES IN PLASTIC SAFETY CASE



PENCIL-SIZE UTILITY KNIFE WITH 10 EXTRA BLADES

Carded set includes one pencil-size utility knife and 10 extra replacement blades in a plastic storage sleeve. Carded.

Stock No. 244

RETRACTABLE METAL SCRAPER Metal body; uses single edge razor blades.

Stock No. 241



(Add "-CD" to stock number if carding is desired)

RETRACTABLE SCRAPER WITH 5 RAZOR BLADES Metal body; uses standard single edge razor blades. Box of 5 blades included.

Stock No. 241-5



100-PC. BOX SINGLE-EDGE RAZOR BLADES WITH RETRACTABLE SCRAPER



SCRAPERS



8" THREE-POSITION SCRAPER

The most popular design of scrapers, it locks open in three positions, and locks closed when not in use. Uses standard #9 single-edge razor blades. Individually carded.

Stock No. 87500



3PC SUPER SCRAPER SET

To easily scrape off emblems and stickers. The hard plastic and polypropylene razor blade won't damage surfaces.

- Super razor scraper it holds a razor blade in holder that makes blade changing quick and easy.
- Super scraper blade can be sharpened with a file for optimum performance.
 Hard plastic that won't damage surfaces.
- 100 piece replacement polypropylene razor blades.

Stock No. 12-K-282



8" INSPECTION STICKER SCRAPER

Durable steel construction with vinyl handle. Uses standard #9 single-edge razor blades. Individually carded. 6pcs per box

Stock No. 87950





INCLUDES 2 BLADES

"HOT KNIFE" DECAL REMOVER

Removes decals, pinstripes and stickers by melting the adhesive securing them to metal or glass surfaces. Faster and easier than other types of scrapers. Includes two #9 razor blades and a tool rest. 40 watts, 110 volts. Patented: Individually carded. Removes aluminum foil labels.

Stock No. 87600

REMOVES ALUMINUM FOIL LABELS



LONG, LONGER & LONGEST REACH RAZOR SCRAPERS

Choose from 11 ½", 17 ½" or 24" multi-purpose scrapers. Ideal for scraping decals, stickers and paint from glass and mirrors; remove tape, adhesive residue, bugs and heavy dirt from store windows, windshields of tall vehicles, office glass and more. Use standard #9 single-edge razor blades (includes 3 blades). Hollow handle can be used for blade storage. Individually carded.

Stock No. 87700

11 1/2" Length

17 ½" Length

24" Length

Stock No. 87724



Remove stick-on emblems, gaskets and more.
Prevent scratching and gouging paint-work and aluminum gasket surfaces. Absorbs strong hammer blows and the tapered edge can be re-sharpened.

Stock No. 282-01

RIVET RELATED



ALUMINUM NUT RIVETS

- Blind nuts can be used in a wide range of applications.
- Designed to provide a very efficient and cost-effective method of placing permanent threads in thin materials.
- Installed from one side, blind nuts are perfect for metal, fiberglass and rigid plastic previously too thin for tapped threads.
- Provides a neat appearance and once in place, the internal threads are ready for a screw or bolt.

Packed 100 pieces per bag.

Stock No. NT-0140-1 6-32 Stock No. NT-0140-2 8-32 10-24 Stock No. NT-0140-3 1/4-20 Stock No. NT-0140-4 Stock No. NT-0140-5 5/16-18 Stock No. NT-0140-6 3/s-16

FOR USE WITH NUT RIVETER NT-0140 and **290 NUT RIVETER**





ALUMINUM RIVETS WITH STEEL MANDRELS

HAND NUT RIVETER

Stock No. NT-0140

All livets packed 100 pieces per bag.			
Stock No. 26542	3/16" x ½"		
Stock No. 26543	½" x ⅓"		
Stock No. 26544	⅓8" X ⅓"		
Stock No. 26545	½" x ⅓"		
Stock No. 26546	3/16" x ¾"		
Stock No. 26548	½" X ½"		





LARGE FLANGE ALUMINUM RIVETS WITH STEEL MANDRELS

Packed 100 pieces per bag.	
Stock No. 27545	½" x ½"
Stock No. 27546	3/16" X ¾"



ALL STAINLESS STEEL RIVETS

Stainless steel is ideal for settings that require high strength and corrosion resistance. Packed 100 nieces ner had

racked 100 pieces pei bag.	
Stock No. 26234	½" x ¾"
Stock No. 26236	½" X ½"
Stock No. 26242	3/16" x ½"
Stock No. 26248	3/16" x ¾"



ALL ALUMINUM RIVETS

Packed 100 pieces per bag.

Stock No. 64028	½" X ½"
Stock No. 64032	½" x ½"
Stock No. 64056	3/16" x ½"
Stock No. 64060	3/16" x ³ / ₄ "

HEAVY DUTY HAND RIVETER WITH 20 **ALUMINUM RIVETS** Sets up to 3/16" steel or aluminum

rivets. The four sized nose pieces are stored right on the handle. Sets 3/32", ½8", 5/32" and 3/16" blind rivets without adjustments merely by changing quick-switch screw-in nozzles. 20 rivets included. Carded. 6 kits per box.

Stock No. 265





QUICK-CHANGE 2-WAY HAND RIVETER

Riveting head can be positioned either straight up or at a 90° angle for greater access. Features a rotating index nozzle for instant resizing. Will accommodate four different size rivets: 3/32". 1/8". $5/32^{\prime\prime},$ and $3/16^{\prime\prime}.$ Individually carded.

Stock No. 285



FOR USE WITH **STAINLESS** STEEL

HEAVY DUTY HAND RIVETER

For installing all Stainless Steel Rivets or aluminum blind rivets without adjustments. merely by changing one of the quick switch nozzles. All 4 sizes are stored right in the handle. Kit includes five pieces each of the 4 rivets listed below.

3/32"/ 2.4mm. ½"/3.2mm, 5/32"/ 4.0mm, 3/16"/4.8mm



HOLE PUNCH & RIVET RELATED



A TON OF PUNCHING POWER

Kit includes a storage box, 7 round punches and 7 round dies: 3/32", ½", 5/32", 3/16", 7/32", ¼", and 9/32".

HAND METAL-PUNCH KIT

Built strong to last for years. Features depth gauge and easy-change tooling. Punches through most materials: steel, aluminum, plastic, leather and vinyl without leaving burrs. Heavy duty tool has a ton of punching power. It can punch a ¹/₄" hole through 16 gauge mild steel.

Stock No. 8500



Stock No. 287

STAINLESS STEEL



SUPER RIVETERS

3/32'' - ¼'' SUPER HAND RIVETER

Super riveter includes a standard nose (2 ¼") and an extension nose (5") providing extra reach for tight spaces. Five interchangeable nozzles (that attach to handles) for 3/32", ½", 5/32", 3/16" and ¼" rivets. Individually boxed.

Stock No. 286

SUPPLIED WITH STANDARD 2 1/4" NOSE & SPECIAL 5" EXTENSION NOSE

SETS ¼' RIVETS

SUPER HAND RIVETER

Set rivets up to 1/4". Includes four nosepieces for different size rivets. Extra-long handles provide more leverage. Individually boxed.

Stock No. 288

SETS 1/4" RIVETS



SCISSOR ACTION RIVETER

For installing all Stainless Steel Rivets.

- Riveting capacity: up to 1/4" /6.4mm for all materials
- Designed for industrial use
- Slim design for hard to reach riveting application
- Scissor action reduces operator's Fatigue

1/8" TO 1/4" HEAVY DUTY RIVETER

Set large diameter blind rivets up to ½" with ease. Features self adjusting two-piece jaws and extra-long handles for better leverage and reach. Includes four screw-in nosepieces for versatility:

1/8", 5/32", 3/16" and 1/4". Stock No. 26500

SETS ¼' RIVETS



INDUSTRIAL LEVER RIVET GUN

For installing all Stainless Steel Rivets. This lever action rivet gun provides the power needed to set rivets up to $\frac{1}{4}$ in diameter. Includes nozzles for:





STAINLESS STEEL

COMBO HD NUT RIVETER AND RIVETER

For installing all Stainless Steel Rivets.

- Multifunctional with interchangeable parts for the rivets and nut functions.
- Space saving foldable handles.
- Long foldable handles for effortless and easy operation.
- Heavy Duty rivet nut tool for up to %" nuts and ¼" rivets of all types of materials.
- Includes 5 drawbars and screws for nuts and 4 sizes of nose pieces for rivets packaged in an easy to carry plastic case.

AUTOBODY TOOLS & EQUIPMENT



10-LB. "BIG BRUTE" DENT PULLER KIT WITH PVC ORGANIZER CASE

Quick assembly for applied hook-ups on fenders, bumper ends, rocker panels, aligning doors and door edges, hoods and hood hinges, trunk and trunk hinges, headlights and many more applications.

Stock No. 588

DENT PULLER SCREW

Stock No. 588-1

COMPLETE NOSE ASSEMBLY Stock No. 588-2





3-LB. DELUXE DENT PULLER

Deluxe model, designed mainly for rocker, quarter back and door panels. Complete with hose cone, two puller screws, one "L" hook and a bodyman puller. Boxed. 12 sets per case.

Stock No. 49500

DENT PULLER SCREW

50 pcs per pkg.

Stock No. 49505



NOSE CONE Stock NO. 49501





HEAVY HITTER 10 LB DENT PULLER KIT

Quick assembly for applied hook-up on fenders, bumper ends, rocker panels, door edges and door alignment, hood sand hood hinges, trunks and trunk hinges, headlights and many more applications.

Stock No. 589

DENT PULLER SCREW

Stock No. 589-1

COMPLETE

NOSE ASSEMBLY

Stock No. 582-2



6" SUCTION DISC

Ideal for handling sheet metal, glass and plastic. Pull panel dents simply and safety without needing to drill holes. Anodized steel with a 6" rubber cup.

Stock No. 77130



4 ½" PLASTIC SUCTION CUP

Heavy duty rubber cup is mounted on a high-impact nylon body with quick-release handle for pulling out metal dents. Ideal for handling sheet metal, glass or plastic. Bright color provides high visibility. Carded. 6 per

Stock No. 77145



2¼" MINI SUCTION CUP Stock No. 59103



ALUMINUM HANDLE

SUCTION CUP
Forms a positive grip on sheet
metal, glass, plastic and other
non-porous surfaces. Simply
place cup on surface with handle
in "open" position; squeeze handle
closed for suction. Carefully lift,
carry and place item where desired.
When handle is released and returned

to "open" position, suction grip is released. Stock No. 77131



5 LBS DENT PULLER

A highly versatile tool with slide-action reverse hammer. Self-tapping reversible sheet metal screw does not need a starter hole in the dent area. Set boxed.

Stock No. 6010

DENT PULLER SCREW

10 pcs per pkg.

Stock No. 60105



NOSE CONE Stock No. 60101



5" RUBBER SUCTION CUP

Perfect for pulling out metal dents and handling sheet metal, glass or plastic. Individually carded. 6 per box.

Stock No. 924





5-LB. DENT PULLER KIT WITH PVC ORGANIZER CASE

Set features a 4 ½-lb. hammer with 22 ½"; slide rod and accessories for medium duty pulling jobs:

- 1) External 3-Jaw Puller 2) Internal 3-Jaw Puller 3) External 3-Jaw Puller 4) Internal 3-Jaw Puller
- 3) External 2 Jaw Puller 4) Internal 2-Jaw Puller
- 5) Grip Wrench Adaptor 6) Rear Axle Puller

7) Puller Hook 8)Dent Puller

Also includes a sturdy, non-marring PVC storage case.

Stock No. 10003

2½" RUBBER
SUCTION CUP
Stock No. CF-617-I



3" RUBBER SUCTION CUP Stock No. CF-617-J



AUTOBODY TOOLS & EQUIPMENT



ALUMINUM HANDLE DOUBLE SUCTION CUP

Perfect for handling sheet metal, glass and plastic. Double 4" rubber cups form a positive grip when pressed down on any flat, non-porous surface. Sturdy aluminum handle is lightweight and perfectly balanced.

Stock No. 77132



3 CUP SUCTION DENT PULLER

- Ideal for automotive work or carrying heavy goods
- Tighten and clip the 3 handles to create suction
- · Produces exceptional strength
- Capacity: 130kg
- 4.75" diameter cups

Stock No. 77143



4 CUP SUCTION DENT PULLER

- Ideal for automotive work or carrying heavy goods
- Tighten and clip the 4 handles to create suction
- Produces exceptional pulling & lifting strength

4.75" diameter. cups Stock No. 77144

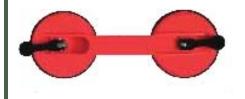


LIGHTWEIGHT ALUMINUM DOUBLE SUCTION CUP WITH 4½" CUPS Stock No. 77134

PLASTIC HANDLE DOUBLE SUCTION CUP

Reinforced plastic construction with rubber suction cups. Great for handling large flat work pieces such as glass, sheet metal, plastic and tile. Two 4 ¾" diameter cups.

Stock No. 77142



LIGHTWEIGHT ALUMINUM TRIPLE SUCTION CUP WITH 4½" CUPS Stock No. 77136





3" VACUUM SUCTION CUP The 3" rubber vacuum cup allows the user to lift

and remove glass, tile, sheet metal or any smooth material easily and quickly.

Stock No. 12-K-246

3PC PICK SET

For popping dents behind double panels and other areas not accessible by hand or dolly. All picks are available individually.

Stock No. 10223



Stock No. 10223-18

18" Length



Stock No. 10223-24

24" Length



Stock No. 10223-30

30" Length



5 PIECE PRY BAR SET WITH JUMBO HANDLES Stock No. 2805



4-PC. MINI PICK & HOOK SET Set includes straight pick, full hook, right angle hook and small angle hook. Carded.

Stock No. 52534



2PC O-RING/OIL SEAL PICK SET

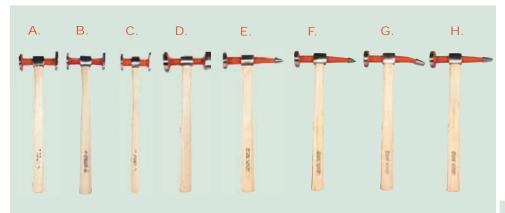
- · Stainless Steel shank.
- Fishing a stubborn o-ring or seal out of its seat is easy with this pair of picks. Set Carded.

Stock No. 1768

NEW

INDIVIDUAL BODY & FENDER HAMMERS







13-PC. AUTOBODY STARTER KIT

Perfect starter kit for the budget-minded "Do-It-Yourselfer". Includes a reverse curve hammer, a standard bumping hammer, a pick-and finish hammer, four different dollies. Four metal spreaders, a 10" half-round shaping blade and a rubber sanding block. Individually boxed.

Stock No. 2730

DO-IT-YOURSELF AUTO BODY KIT

PROFESSIONAL BODY & FENDER HAMMERS

Drop-forged steel heads and a mirror polish finish on a hard wood handle. Fully warranted. Individually packaged.

Stock No. 301	A. Short Finishing
Stock No. 302	B. Medium Shrinking
Stock No. 303	C. Heavy Bumping
Stock No. 304	D. Heavy Shrinking
Stock No. 331	E. 5" Short Pick
Stock No. 332	F. Pick & Finishing
Stock No. 368	G. Curved Finishing & Grooving
Stock No. 369	H. Straight Finishing & Grooving

REPLACEMENT HAMMER HANDLES

Stock No. 300 Available Separately





PULL ROD SETS

Repair dents and creases from the outside. No need to remove interior panels or upholstery. Designed for the professional with extra large vinyl covered handles for comfort. Handles are color coded: green-straight, red-bent. Carded.

2-Pc. Set (1 straight, 1 bent)

Stock No. 9317



6-Pc. Set (2 straight, 4 bent) Stock No. 9320



DO-IT-YOURSELF AUTO BODY KIT

7 PIECE WOOD HANDLE HAMMER & DOLLY SET

Made of cast iron. Great for starters, vocational schools, etc. Packed in a tough PVC storage case.

Stock No. 2720



7PC FIBERGLASS HANDLE HAMMER & DOLLY SET

Cast iron hammer heads and dollies. Ideal for starters and vocational schools. Packed in a tough PVC case.

Stock No. 2740



BRASS HEAD HAMMER

Durable polished brass head is heavy enough to do any job while eliminating potentially dangerous sparks. 10 $\frac{1}{2}$ " long finished hardwood handle is made of genuine hickory. 1 $\frac{3}{4}$ " lbs. total weight.

Stock No. LS-3004

AUTOBODY TOOLS & EQUIPMENT





2-PIECE RUBBER HEEL DOLLY SET

- Weighted hard rubber to match weight of hammer
- Rubber coating provides cushioning effect
- Works easily in sharp corners & wide radii
- Also works well on newer, thinner sheet metal
- Ideal for door skin work
- Moves the metal rather than stretching it

2½" x 3" x 1½" x 5" x 3" x 1½"

Stock No. 12-K-240



STRETCH RUBBER HEEL DOLLY

2½" x 3" x 1½" Stock No. 12-K-242



RUBBER HEEL DOLLY

2½" x 3" x 1½" x 5" x 3" x 1½"

Stock No. 12-K-241



UNIVERSAL RAILROAD DOLLY Forged from fine alloy steel, heat-treated and polished to a quality professional finish. Boxed.

Stock No. 105



HEEL DOLLY Reaches into sharp corners; use on panels with large radii. Boxed.

Stock No. 107



For shrinking and dinging flat panels and repairing flanges. Boxed.

Stock No. 108



Use the long thin lip behind reinforcements and on brackets and braces. Boxed.

Stock No. 112



PANEL CRIMPER

Aids in patching sheet metal by forming a "step" around the area to be repaired. The patch then sits in the indent of the step, flush with the original panel surface. Handle allows safe and easy operation. Individually carded.

Stock No. 478



HAND FLANGING TOOL

Create factory-type spot weld flanges crimp panels at seams for proper weld repair with this powerful, hightorque hand tool.

Stock No. 48800



5 ½" MINI BAR

Use for scraping, prying, molding removal, pulling nails and staples. Many uses around the shop, garage and household. Fits easily in pocket, tool box and glove compartment. Carded.



DOOR HANDLE CLIP REMOVER

Instant removal of door handle and window regulator clips. End damage to upholstery and escutcheon plate. Standard for all Ford and GM models. Individually carded. 6 cards per box.

Stock No. 8502



UNIVERSAL TRIM PAD REMOVAL TOOL Removes fasteners from car upholstery, body mouldings,

hood insulation, weather stripping, grille assemblies and more. Two different sizes of grooves easily remove trim pad fasteners on most vehicles.

Stock No. 7223



TRIM PAD REMOVAL TOOL

Reaches under the trim panel to support, grip and remove trim pad fasteners without damaging or scratching the surface. A "must" for GM vehicles. Works on metal fasteners as well. Individually carded. 6 cards per box.

Stock No. 217



UNIVERSAL MOLDING RELEASE TOOL

Slide tool under molding until a clip is contacted. Rock tool to spring clip and release the molding. The tool works in either direction. Use on rear or cemented windshields. Individually carded 6 cards per box.

Stock No. 8501



Curved design provides extra prying leverage, even in tight spaces, without causing damage. Carded.

Stock No. 7224



DOOR PANEL REMOVAL TOOL

Quick, easy way to remove door panel clips without causing unnecessary damage. Simply insert the tool under edge of door upholstery panel and insert into the fastener or clip as far as possible; then pry upward. Door Panel Remover is ruggedly constructed with a large, comfortable handle. Individually carded.

Stock No. 7222



"THE JIGGLER" WINDOW CLIP TOOLS

Removes all adhesive and rear window reveal mouldings in automobiles. Made of spring steel. Individually carded. 6 cards per box.

Stock No. 8503

For GM Vehicles

Stock No. 8504

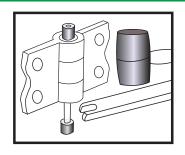
For Ford Vehicles



WINDSHIELD LOCKING STRIP TOOL

Includes two double-ended tips to fit most vehicles. Designed to swivel 90° in either direction. Select the tip with the opening that most closely fits the locking strip and feed the locking strip into the eyelet while working the tool around the windshield. Individually carded.

Stock No. 772





DOOR HINGE PIN EXTRACTOR

For the easy removal and replacement of door hinge pins. Choose the correct punch size for the door hinge and remove its threaded end cap; slide the punch upward through the hinge and reattach end cap. Next, fit the slotted end of the cranked handle onto the punch and tap gently with a mallet to extract hinge pin. Set carded.

Stock No. 6011



WINDSHIELD

MOLDING

CLIPS &

DOOR HANDLE

CLIPS ON

MOST

VEHICLES

WINDSHIELD MOLDING & DOOR HANDLE CLIP PLIERS

Releases clips to remove chrome molding on most windshields and rear glass. Also slips under door handle without damaging door panel material. Offset handles allow easy access. Carded.

Stock No. 8509





2PC DOOR HOLDER SET

2-piece set designed to hold doors, trunks and hoods open during body work. Supporters adjust to fit 90% of all vehicles both foreign and domestic. One piece extends from 9" up to 12". The other adjust from 20" to 32". Easily installed in seconds. Chrome-plated to prevent rusting. Set Carded.

Stock No. 33850

WINDSHIELD REMOVAL TOOLS



BRAIDED WINDSHIELD WIRE

Especially designed for urethanes. There are seven super strong stainless steel wires braided into one that creates a saw-type action for faster cutting. Contains 72 ft. of wire in a special dispenser package. Individually carded. 6 card per box.

Stock No. 355



¼-LB. SPOOL OF WINDSHIELD WIRE

Flexible piano wire popularly used for cutting the sealant between glass and body openings on cars using the "gasketless" type of windshield installations. ¹/₄ lb. spool (approximately 150 feet). Carded. 6 cards per box.

Stock No. 356

BONUS WINDSHIELD WIRE

STARTER AWL WITH WINDSHIELD WIRE

WINDSITIED WIRE
Kit contains the #752 Starter
Awl and as a special bonus, a roll
(72 feet) of our #355 Braided
Windshield Wire in a special
dispenser pack. Carded.

Stock No. 752-2



WINDSHIELD REMOVAL TOOL

Use to remove windshield on Chrysler & GM vehicles. Cuts the butyl adhesive caulking compound around windows with a special tempered steel blade. Individually carded, 6 cards per box.

Stock No. 760



REPLACEMENT BLADES



"WIZARD" WINDSHIELD BLADES

Specially designed for tough urethane cut-outs. Made of spring steel and sharpened to an extremely thin edge to reduce drag by as much as 50%. Individually carded, 6 cards per box.

Stock No. 767

1" Blade (shown)

Stock No. 768

1 1/2" X-Long Blade



CLIP REMOVER TOOL

Remove door and molding clips without damaging the panel. Simply slide the jaws under the head of the clip and squeeze the handle.

Stock No. 8530



CLIP REMOVAL PLIER

Designed to remove broken rivets (plastic), for use on car cover or door panel. Can adjust from 0° to 90°.

Stock No. 7128





5PC HANDY TRIM REMOVER SET

The five unique shapes allows you to remove virtually all exterior trim whether it is glued or clipped in place. Handy also for removing interior trim and dash assemblies. Can also be used to remove switches and connectors

Stock No. 8515



Made of Tempered Spring Steel:

- Molding remover semi –sharp bevelled edge for removing protector moulds and badges retained by double sided tape without scratches.
- Windshield wiper wrench.
- Door rubber metal clip inserter.
- · Door weather strip clip remover.
- Door trim-bezel clip remover.
- Door handle clip remover.
- · Headlamp spring tool.
- · Windshield molding clip remover.
- · Door rubber plastic clip remover.
- Serrated edge for panel seam clean up.

Stock No. 8510

10 IN 1 TRIM TOOL THE BODYMAN'S BEST FRIEND



DOOR SPRING TOOL

- This tool quickly and easily removes or installs door hinge springs.
- Designed to service GM cars and GM light trucks.
- Can be used with a 1/2" open end or ratcheting box wrench.
- Always wear safety goggles and face protection.

Stock No. 2190



DOOR HINGE PIN POPPER

Removes door hinge pins fast. Drives out even stubborn hinge pins. Provides clearance for door panels. Works on all GM cars with removable hinge pins. Includes pin puller to remove loosened pins.

Stock No. 6014



CLIP REMOVERS

- Allows the users easier access and removal of those hard to reach area, recessed nail headed rivet fasteners on bumper covers, fender liners, etc.
- Two different head types give you the proper leverage to quickly pull fasteners even in confined areas.

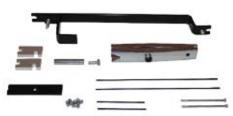
Stock No. 8508



DOOR HINGE & HANDLE REMOVER KIT

For use with VW, Audi. Porsch and Mercedes Benz vehicles.

Stock No. 6018



DOOR HINGE REMOVAL KIT

Removes hinges pins from welded door hinge.

- · Solid hinge pins found on GM. Intermediate and full-size cars
- (A-,J-, X-Body Cars & S-10 Trucks.) HOLLOW HINGE PINS (roll pins) found on Chrysler Corporation's Omni. Horizon. K-Series cars, as well as Chevette, Pontiac
- T 1000, and some import models. Comes with PVC storage case.

Stock No. 6016



DOOR JAMMER

Holds door open while you do any work from grinding to hammering to painting. Fits any size latch. Includes instruction sheet.

Stock No. 1943







12PC AUTOMOTIVE DOOR LOCK COVERS Save time masking door locks.

Just slip on. Four pieces each of three common sizes. Fits most cars





2PC PIANO WIRE HANDLE SET Makes holding windshield wire quick and easy. Use with braided, round or square wire.

Stock No. 758



11" WIRE STARTER TOOL Designed for easy and flexible insertion of wire through polyurethane. 11 inch blade.

Stock No. 757



7-3/4" WIRE STARTER TOOL
Designed for easy and flexible insertion of wire
through polyurethane windshield sealant. 73/4" blade.

Stock No. 759

4PC WINDSHIELD REMOVAL KIT Kit contains: 1 each of the products listed below. (Stock No. 358,758 & 759)

Stock No. 766



WINDSHIELD WIPER ARM REMOVER

Tool removes wiper arms from most vehicles. Protective pad on bottom jaw will not scratch painted surfaces. Place jaws between wiper arm and shaft and squeeze handles to remove.

Stock No. 8525



Uses standard utility knife blades, allows user to reach corners of windshield easily.

Stock No. 12-K-281



WINDSHIELD SUCTION CUP KIT

Each suction cup moves up and down permitting use on contoured surfaces as well as flat.

4 - %" suction cups. Kit includes:

2 - double suction cups and 1 ratcheting tie down.

Stock No. 77139



2 PC SUCTION PAD CLAMP SET

Essential for holding body trim and emblems in place during gluing operations. Each clamp has both a narrow pad and a wide pad that can be used to provide a secure holding position. The turning of a wing nut will easily apply pressure while glues cure.

Stock No. 77137



AIR WINDSHIELD REMOVAL KIT

Pneumatic windshield knife with suction cups. Kit includes: windshield knife: 20,000 oscillations per minute, rear exhaust, teasing throttle and regulator provide easy speed control, flexible 12 position blade mount, includes 5 blades, suction cups: (2) 4% diameter double suction cups. Ratcheting tie down molded storage case.

Stock No. 684



The square wire will roll over when pulled allowing the sharp end to cut into the urethane. This provides the best cutting ability compared to any other windshield wire.



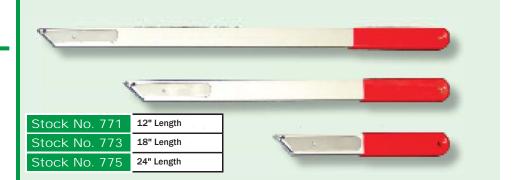
STAINLESS STEEL SQUARE WINDSHIELD WIRE

Square cutting wire removes part of polyurethane separating it so it will not stick back together after being cut. 72' per roll.

Stock No. 358

WINDSHIELD URETHANE CUTTING KNIVES

Made of lightweight aluminum. Can be used with standard utility knife blades.



VEHICLE DOOR UNLOCKING TOOLS





DELUXE LOCK-OUT TOOL KIT

Everything needed to unlock nearly any vehicle. Kit includes a variety of tools with a fold-up vinyl organizer case and illustrated instruction booklet for specific models of automobiles and trucks.

Stock No. 32600



EMERGENCY LOCK-OUT TOOL KIT

Includes a spring steel lock-out tool, tempered wire S-hook for lift buttons, 2 wedges and detailed instruction manual to eliminate door linkage damage. Carded.

Stock No. 32802

ECONOMY LOCK-OUT TOOL

Universal tool used to unlock doors without damage to locks or car finish. Individually carded. 6 cards per box.

Stock No. 77257

UNIVERSAL LOCK-OUT TOOL

Unlocks virtually all cars from the outside without damage to the door or window. Use either end of the tool. Individually carded. 6 cards per box.

Stock No. 32900



MASTER LOCK-OUT TOOL KIT Unlocks most foreign domestic vehicles. Kit includes a sturdy vinyl carrying case and illustrated instruction booklet for specific models of automobiles.

Stock No. 32500



DOOR BUZZER DEPRESS TOOL

Stop annoying door buzzers without disconnecting the battery when working on the interior of a vehicle. Fits most cars with the buzzer switch located by the door hinges. Tool pushes against door jamb switch; high-tension spring design keeps consistent pressure on buzzer switch. Carded.

Stock No. 77200



STRUT ALIGNMENT WITH MAGNETIC BASE

Use to restore strut to original alignment position after repair or replacement

- Super strong magnet allows level to mount on brake rotor or spindle.
- Level increments: -3 degree to +3 degree (camber setting).
- Also useful for repairs on CV joints and tire rod ends

Stock No. 42496

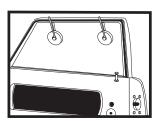
DOOR LOCK HOLE REFORMER Repair damaged door lock apertures with recessed or flush fitting lock holes. Carded.

Stock No. 6012-A









2PC WINDOW HOLDER SET

For all applications where there is a top door frame. Just loop the cable over the door frame and attach the suction cups to both sides of the glass. Be sure to use both pairs for safety. Surfaces must be clean for maximum adhesion. Set carded.

Stock No. 77160



UNIVERSAL LIFT SUPPORT CLAMP

Avoid the danger and inconvenience of faulty gas shocks on hoods, trunks and hatches of SUV's, vans, trucks and automobiles. Adjust to fit any size shock in seconds, providing a positive lock for safe access to engine compartment or luggage area. Eliminates accidents and saves you time. Carded.

Stock No. 33285



LEVERAGE BAR BODY STRAIGHTENER & DOOR ALIGNER

Standard alignment bar will help allow quick aligning of doors, door frames, fenders, bumpers, hoods, trunks and rear decks. Steel hook and padded fulcrum are fully adjustable to meet depth and height requirements.









RADIO REMOVAL TOOL KIT For use with Ford, VW, Audi, BMW, and Mercedes Benz. Stock No. 78675



ANTENNA WRENCH & RADIO SERVICE KIT

GM Code Retriever, Universal Antenna Wrench. 1992 & newer Mercedes 129, 140, 163,202 & 210 models, Ford/VW Models with a DIN chassis radio mount $\frac{1}{2}$ " Hex Torx Bits: T10 & T15, $\frac{1}{2}$ " Hex Tamper Torx Bits:T7H, T10H & T15H, VW New Body Passat, Jetta & Golf, Audi A4, A6, A8 & VW Beetle, Chrysler Radio Remover Socket, and BMW models with anti-theft radio.

Stock No. 78650



3 IN 1 BOLT CUTTERS

- Designed for cutting rod, wire mesh, cable, and bolts.
- Slim head permits cutting close to surface.
 Quick, easy adjustment through use of a cam/bolt mechanism.
- · Jaws are made of hardened alloy steel.

Stock No. C-301V-18

Stock No. C-301V-24

18" Length

24" Length



FENDER STRAPS



8 PC DOOR HINGE REMOVER &

INSTALLER SET

Set includes one each: M8, M10, M12, Spline bits, T-30, T-40, T-45,T-50 Star Bits, Internal Ratchet with 45° head

Stock No. 6028



5-PC. TIE ROD/BALL JOINT/PITMAN ARM PULLER KIT

Kit Includes:

- Tie rod spreader with 11/16" wedge opening
- Ball-joint separator with 15/16" jaw opening
- Pitman-arm wedge with 11/8" opening
- *8" handle for use with your regular hammer
 Handle with .401 shank for use with your air
 impact hammer

Both handles fit all 3 forks. Piloted handles act as shock absorbers to protect handle threads.

Stock No. 485



8PC %" DR DISC BRAKE

CALIPER SET

Set includes 3 hex drivers: ½", 5/16", %"; 4 Tork drivers: T-40, T-45, T-50, T-60 and socket holder rail. Carded.

COIL SPRING COMPRESSOR

Quickly and safely remove internal coil springs from most cars & pickups. 12" overall length, 9 1/2" length





COIL SPRING COMPRESSOR SET FOR **MACPHERSON® STRUTS**

Can be used with a 13/16" wrench or 1/2" impact wrench.

Stock No. YC-602



COIL SPRING **COMPRESSOR SET**

Quickly remove coil springs, repair or replace shock absorbers, spring sets, struts, etc. Can be used with 5/16" hand tool or impact wrench.

Stock No. YC-601





%" GOLDEN ALLOY

UTILITY GRAB HOOKS

Guaranteed for life. Use for chain shortening, power pulling and chain connecting. To be used with 3/8" Golden Alloy chain.

Stock No. 1622



%" GOLDEN ALLOY UTILITY **GRAB/SLIP HOOKS**

Guaranteed for life. Handy for hooking into clamp plate pull rings, hooking onto a chain between two floor anchors and many other uses. To be used with 3/8" Golden Alloy Chain.

Stock No. 1623

%'' GOLDEN ALLOY **CLEVIS GRAB HOOK**

For use with 3/8" chain.

Stock No. 1404

GUARANTEED FOR LIFE!



HIGH TEST CLEVIS **GRAB HOOKS**

Stock No. 1401

Stock No. 1402

Stock No. 1403

For 3/8" Chain

For 5/16" Chain

For 1/4" Chain

%" GOLDEN ALLOY CLEVIS SLIP HOOK

For use with 3/8" chain.

Stock No. 1204

GUARANTEED FOR LIFE!





HIGH TEST CLEVIS SLIP HOOKS

Stock No. 1201

For 3/8" Chain

Stock No. 1202 For 5/16" Chain

Stock No. 1203



ALLOY DOUBLE CLEVIS LINKS These double clevis links allow attachment of chain

Stock No. 1438

For 3/8" Chain

Stock No. 1456

For 5/16" Chain

SYSTEM 7 CHAIN **GUARANTEED FOR LIFE!**

%" GOLDEN **ALLOY CHAIN** WITH GRAB HOOK

Individually boxed and labeled with AES stock numbers. Heavy-duty tested, rust-resistant. Guaranteed for life.

Stock No. 1701

5-ft. Length 7-ft. Length

Stock No. 1703 Stock No. 1704

9-ft. Length

Stock No. 1706

12-ft. Length

GUARANTEED FOR LIFE!



WITH GRAB HOOKS

Individually boxed and labeled with AES stock numbers. Golden alloy grab hooks at each end. Guaranteed for life.

Stock No. 1702

5-ft. Length

Stock No. 1705

9-ft. Length



PAIL OF CHAIN

No matter what the required length of chain is, our 5-gallon pail of chain can provide it. 3/8" Golden Alloy chain, guaranteed for life (SYS-7-breaking point 26,4000 lbs).

Stock No. 1725



BUMPER HOOKS

For pulling bumpers, side rails and door panels. Quickly attaches anywhere a double pull is needed.

Heavy Duty 2" Hooks, 3/6" Chain

Standard 1 1/4" Hooks, 1/4" Chain

Stock No. 1920

MULTI-DIRECTIONAL **PULLING CLAMP**

Special design will pull in up to three directions at once. Features dual self-tightening serrated jaws for a positive grip. 7" overall length, 4 3/4" width.





PULL-LINK CLAMP

Jaw width - 3 3/4" Stock No. 18302



SELF-TIGHTENING CLAMP

Jaw width - 1 3/4"

Stock No. 18304



SELF-TIGHTENING CLAMP

Jaw width -4"

Stock No. 18306



SELF-TIGHTENING CLAMP

Jaw width - 3 3/4"

Stock No. 18308



SELF-TIGHTENING CLAMP

Jaw width - 2 3/8"

Stock No. 18312



SELF-TIGHTENING CLAMP

Jaw width - 4"

Stock No. 18314



THE "ULTIMATE" SHEET METAL PULLING CLAMPS

These clamps feature 360° self-tightening pull rings, specially designed non-slip teeth & multi-directional pulling brackets. Pulling clamps are gold anodized & fully warranted.

FOR WORKING IN TIGHT AREAS



1 %" wide mouth, 182 individual teeth. For working in tight areas.

Stock No. 4460

1 %" wide mouth, 182 individual teeth; removable multi-directional pulling bracket.



2 3/8" deep throat (our deepest). Fits over or around most vehicle flange.

Stock No. 4462

FITS OVER OR AROUND MOST **VEHICLE FLANGES**



1 1/4" wide mouth, 2" deep throat. Most popular and most versatile design.

Stock No. 4463

MOST POPULAR & MOST VERSATILE DESIGN



Same clamp as the #4463 (above) with a removable multi-directional pulling bracket.

Stock No. 4464



1 3/4" wide mouth, reduces tearing stress on metal. Designed for really tough pulling jobs.

Stock No. 4465

DESIGNED FOR REALLY TOUGH **PULLING** JOBS



DUCK-BILL CLAMP

A small, narrow clamp for use in hard-to-reach areas on the new compact vehicles. Self-tightening.

Stock No. 4466



NARROW PULL CLAMP

Stock No. 4451



MULTI-HOLE PULL PLATE

Stock No. 4452



%" CHAIN LINK

Stock No. C-903

LINK 2 CHAINS TOGETHER



%" UTILITY CLAW HOOK

Stock No. C-901



%" TWIN PULL

Stock No. C-902



AUTOMOTIVE FRAME EQUIPMENT



Stock No. 18540

QUICK PULL HOOK

Stock No. 4455





HEADLIGHT APERTURE PULLER



ROCKER CLAMP ASSEMBLY

Interchangeable clamps can be used on right or left side. The 6 $\frac{1}{2}$ -ft. long rectangular crossbar resists bending and the center biting jaw gives added holding power to prevent clamps from slipping off the vehicle rocker assemblies.

Stock No. 1940



MINI QUARTER PANEL PULLER

- · Fits small openings in the frame.
- · Perfect for tailing openings and radiator supports. Stock No. 4482



QUARTER PANEL PULLER

- · Pulls rear guarter and wheel well.
- Hooks above the lip of the wheel opening.
- Two curvatures (one on each side) will fit almost all cars.
- Eliminates the tearing of thin sheet metal.

Stock No. 4484

EYE BOLT & PULL PLATE

Stock No. 4453





BOLTLESS STRUT TOWER PULLER Designed for strut towers without bolts*; use to correct chassis dimensions to factory specifications.

Stock No. 4454

(*Strut tower must be removed to use puller).

SELF-TIGHTENING 10-1/2 CLAMP

The harder it's pulled, the tighter it clamps. 3-ton clamp with serrated jaws that open up to 1½". Overall length 10 ½".

Stock No. T-402





MULTI-HOLE PLATE

Fits onto any bumper bracket mounting hole for frame straightening. Large hole for pulling chain hooks.

Stock No. 1923

SUPER PULLING G-CLAMPS WITH HEAVY DUTY SHACKLE

Heavy duty G-Clamps have 1" diameter threaded rods with serrated jaws for a sure grip. Strategically positioned holes for pulling shackle are helpful in difficult angular pulling.



7 1/2" Clamp, 2 1/2" Jaw

Stock No. C-503



Stock No. C-506



AUTOMOTIVE FRAME EQUIPMENT

2 TON RAM WITH 3" STROKE Stock No. 80407





6 WAY MULTI-PURPOSE HYDRAULIC GEAR PULLER KIT

Features a hydraulic ram, combination legs, 6 steel assembly plates, 1 x $^{1/4}{}^{\shortparallel}$ extension rod, 1" x 2" extension rod, and 6 screw/nut/washer sets. Includes tough molded PVC storage case.

Stock No. YC-710



INTERNAL & EXTERNAL PULLER SET

Includes carbon steel T-bar and hammer, 2 internal 3-leg pullers (sizes 15mm – 30mm and 30mm – 80mm), and an external 3 leg puller (size 15mm – 80mm). Includes tough molded PVC storage case.

Stock No. YC-1000



BEARING SEPARATOR KIT

Includes 2 bearing separator/bolt assemblies (sizes 30mm to 50mm & 50mm to 75mm) with 4 main rods, 4 extension rods, 1 beam and 1 center bolt. Includes sturdy PVC storage box.

Stock No. YC-706



This is a complete high-powered 4-ton starter kit. With a popular spreader ram, repair dents and creases in tight places. Powerful unit includes a variety of time saving attachments. With this 4-ton "SS" set, there is no more threading, locking or twisting with Super Speed "SS" tubing. Includes PVC storage case.

Stock No. 804

Repair Kit for #804 Power Kit Stock No. 80460

4-TON HYDRAULIC UNIT Stock No. 80401





4 TON SLIP-ON RAM WITH 6" STROKE Stock No. 80405





1/2 TON SPREADER RAM Stock No. 65145



2 TON PULL RAM WITH 6" STR Stock No. 65143

4 TON SUPER SPEED TELESCOPING EXTENSION PIPES

Ideal for spanning areas in engine compartments, trunks and wheel housing. Rugged four-sided construction prevents bowing on long spans. For use with our #804 Porta-Power Kit and most other 4-ton hydraulic repair kits.

Extends from approx. 15" to 24" $\,$

Stock No. TP 4-1

Extends from approx. 28" to 43"

Stock No. TP 4-2





10-TON HYDRAULIC POWER KIT

A highly efficient, 10-ton assortment of work-saving tools all packed in a metal carrying case. Push with the popular standard ram that has a 6" stroke. Use the spreader toes for spreading damaged sections. Equipped with "Super Speed" snap-together fittings. Includes a PVC storage case with wheels.

Stock No. 810

Repair Kit for #810 Power Kit Stock No. 81060



10 TON HAND PUMP ONLY Stock No. 81101

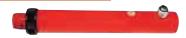
10 TON SLIP-ON RAM WITH 6" STROKE

Stock No. 81005



10 TON THREADED RAM WITH 6" STROKE

Stock No. 81006



10 TON THREADED RAM WITH 10" STROKE

Stock No. 81110



PULL RAM WITH HOOK

5-ton and 10-ton rams offer 6" pull capacity; ideal for pulling, bending and straightening. Two heavy duty steel grab hooks included. Approximately 30" overall length.

Stock No. 81805

5-Ton Unit





Stock No. 81810

10-Ton Unit



AUTOMOTIVE FRAME & EQUIPMENT



7PC HYDRAULIC BODY & FRAME RAM KIT

This kit contains 7 of the most needed rams used in today's shops, all together for one low price. Packed in sturdy metal storage case.

Stock No. 80499



10 TON RAM WITH 4" STROKE

AIR OVER HYDRAULIC

BOTTLE JACKS

- Internal return spring
- · Chrome plated piston inhibits rusting, scoring, and corrosion.
- Height: Retracted 7" Extended 11"

Stock No. 81004



4 TON RAM HALF COUPLING FOR 4-TON & 10-TON Stock No. 80416



HOSE HALF COUPLING FOR 4-TON & 10-TON Stock No. 80442



INCLUDES 2 ATTACHMENTS. ONE CAN BE USED AS A JACK; THE OTHER CAN BE **USED AS AN ADAPTOR** WITH OTHER THREADED **10-TON EQUIPMENT**

10-TON RAM WITH 2 ¼" STROKE

Stock No. 81002



6-FT. HYDRAULIC HOSE FOR 4-TON & 10-TON Stock No. 80453



4-TON RAM WITH %" STROKE

Stock No. 80404



20-TON RAM WITH 2" STROKE

Stock No. 82002



20-TON RAM WITH 5" STROKE

Stock No. 82005



AIR OVER HYDRAULIC

BOTTLE JACKS

Stock No. 80812

Stock No. 80820

All BOTTLE JACKS HAVE SCREW TOPS EXCEPT 30 TON AND 50 TON).

12-Ton Unit

20-Ton Unit

HYDRAULIC BOTTLE JACKS

Stock No. 31002	2-Ton Unit
Stock No. 31004	4-Ton Unit
Stock No. 33006	6-Ton Unit
Stock No. 33012	12-Ton Unit
Stock No. 33020	20-Ton Unit
Stock No. 33030	30 Ton Unit
Stock No. 33050	50-Ton Unit



10 TON AIR/HYDRAULIC PUMP

- · Equipped with 109 cu. in. reservoir.
- Designed to work with multiple hydraulic cylinders.
- · New design allows easy access to pump mechanism.
- · Aluminum alloy reservoir for light weight and durability.

AUTOMOTIVE FRAME & EQUIPMENT



TWO SPEED 10 TON HYDRAULIC FOOT PUMP

- Two speed operation provides quick approach of ram to work.
- Foot pedal with spring return provides convenience and effort saving.
- · Hand free operation.

Stock No. 81202



10 TON AIR/HYDRAULIC FOOT PUMP

For use with 4- and 10-ton rams. 10,000 PSI maximum pressure. Includes 5-ft. high-pressure hose and a safety release valve to protect against overloads.

Stock No. 81840



WHEEL JACKS

1250 LBS. capacity

Designed for moving damaged vehicles.

- To move and position every type of vehicle in restricted space.
- Particularly suitable for body shops, car shows, repair shops and garages.

Stock No. 4495





SOLD IN PAIRS ONLY

2PC HEAVY GAUGE WHEEL DOLLIES

Move disabled vehicles around the shop with minimal effort and maneuvering space. Each dolly features four full-swivel ball bearing casters with big 3 ½" cast iron wheels. 1000-lb. Capacity per dolly. Sold in pairs only.

Stock No. 4480



2 TON CAR DOLLY

Designed for supporting or moving dismantled or badly damaged vehicles around the workshop or body shop.

Specifications:

Capacity: 2 Tons
Max Height 12 - 13/64"
Min Height: 9 -27/32"
Min Width: 3' 4"
Max Width: 4' 8"

Stock No. 20910



Includes adjustable arm to hold large tires in place for transport around the shop.

Adjustable arm can be removed for vehicle transport.

AUTOMOTIVE FRAME & EQUIPMENT



10 TON PULLING POST

ALSO AVAILABLE AS A PACKAGE DEAL!

INCLUDES: #81840 10-TON AIR/HYDRAULIC FOOT PUMP & #81110 10-TON THREADED RAM WITH 10" STROKE.

Stock No. 10850-P

10-TON PULLING POST

Mobile puller has big 3 ¾" castors for easy movement.

Great for smaller or crowded shops. Features 10 mounting positions and all-steel construction.

Overall dimensions: 62 ½" x 35 ½" x 16", with 3" between posts.

Stock No. 10850

BODY STRAIGHTENER ENSEMBLE



BODY STRAIGHTENER

ENSEMBLE

- Ideally designed to quickly & precisely straighten badly damaged body & frame.
- Moving range of chain on anchor post with angled pulling is 78°.
- Positioning range of anchor post with horizontal pull is 15°.
- Includes: horizontal beam; multi-position post; hand hydraulic pump; 10-ton ram with 6"stroke; jack hose; stands; steel pipe; frame pullers; pull clamps and 5/16" x 19 chain & hook.

This piece of equipment has been around for years and is still one of the most productive frame straighteners available. Keeps your big machine free for the BIG repairs.

EQUIPMENT FOR THE SHOP

3PC ALUMINUM CASE SET

Three aluminum cases with locks and detachable shoulder strap.

Large Case

13½" x 18½" x 7"

Medium Case 12" x 17" x 5½"

Small Case

10½" x 15½" x 4½"

Dimensions: 5 x 10 ½" x 15 ½" 5 1/2" x 12" x 17" 7" x 13 ½" x 18 ½"

Stock No. A-9





WAFFLE FOAM LINER FOR A-9 ALUMINUM CASE SET

Stock No. A-9F



ALUMINUM CASE One piece aluminum case with wafflefoam liner. 12" x 12" x 5" Stock No. A-10





FOLDS FLAT FOR EASY STORAGE

ADJUSTABLE WHEEL STEP

Create an instant platform or step by placing on any 14" to 20" tire. Step can be adjusted to 3 different heights in 4" increments. Greatly extends reach to engines and roofs of vans and trucks. Heavy duty all-metal construction. Folds flat for easy storage. Maximum weight 400 LBS.

Stock No. 185



200-LB. CAPACITY HYDRAULIC DOOR HANDLER

Remove & install doors without damaging paint. The door handler makes replacing doors and bumpers 13 1/2" to 50" tall. Lifts from 9" to 29" using an included 2-ton hydraulic bottle jack. Adjustable hooks on base and adjustable covered pegs at top fit most cars and pick-up truck doors. All 16 gauge 1.5: square tube construction.

Stock No. 35800



UNIVERSAL WORKSTAND

- Holds doors, hoods & bumpers.
 Rotates to permit working at different angles.
- · Adjust to fit almost any size panel.

Stock No. 35900



ROLL-ABOUT SEAT WITH TOOL TRAY

14" tall seat has a thick vinyl covered padded bench for reduced back strain. Rolls effortlessly on 2 1/2" vinyl casters. Keep tools near at hand with the 14" x 14" vinyl tray attached below the seat. 1" x 1" tubular steel construction.

EQUIPMENT FOR THE SHOP



SUPER 4-TON COME-ALONGS Come-alongs can be used for pulling, lifting, lowering and stretching. Constructed of a special high-strength steel frame, unbendable sure-grip handle, and ½" dia. aircraft test cable that has been galvanized to prevent rust and corrosion.

Stock No. 3801

3801 Single Pawl

Stock No. 3807

Double Pawl

3-SIZE TUBE BENDER

For accurately bending ¼", 5/16" and %" tubing. Quality 8" aluminum body has calibrated markings up to 180°. Use on copper, brass, steel, aluminum, stainless steel and more.

Stock No. 2581

LOAD BINDERS

DOUBLE-SWIVEL LEVER LOAD BINDERS WITH GRAB HOOKS

For 5/16" to 3/8" chain.

Stock No. 620-3604

Load Binders are sold as Tie Downs. They are not recommended for frame straightening.



For 5/16" to 3/6" chain.

Stock No. 620-7805

Load Binders are sold as Tie Downs. They are not recommended for frame straightening.



12-TON HYDRAULIC PIPE BENDER

Sizes: 3/4", 1", 1 1/4", 1 1/2" and 2"

Stock No. 6051

16-TON HYDRAULIC PIPE BENDER

Sizes: $\frac{3}{4}$ ", 1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ ", 2", 2 $\frac{1}{2}$ " and 3".

Stock No. 6056

CARDED

THREAD RESTORERS

For restoring both right and left hand external threads on bolts, studs, shafts and axles of any diameter.

Metric 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50 & 3.0mm

Stock No. 78305

SAE 11, 12, 13, 14, 16, 18, 20 & 24

Stock No. 78310

SAE 9, 10, 12, 16, 20, 27,

Stock No. 78315

STEEL SERVICE CART

The steel service cart can handle the toughest jobs in the shop, the warehouse, the garage, wherever it's needed. 600lbs. Capacity! Features two 16"W x 30"L x 3 ½"D trays, large 5" rubber wheels, tubular steel handle and a tough enamel finish. Individually boxed.

Stock No. 170



3-SHELF UTILITY CART WITH BUILT-IN DRAWER

Features three 16" x 30" x 3 $\frac{1}{2}$ " trays, large 5" rubber swivel casters and a handy 15" wide metal drawer.

Stock No. 492-C



HEAVY DUTY DRUM DOLLIES

Steel construction with 4 smooth-rolling 360° swivel casters for easy maneuver-ability in tight or cluttered work areas.



5-Gal. Drum Dolly

Stock No. 35105



15-Gal. Drum Dolly

Stock No. 35115



30-Gal. Drum Dolly

Stock No. 35130



55-Gal. Drum Dolly

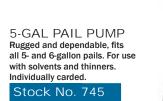
Stock No. 35155

LEVER DRUM PUMP

Designed to fit 15-gal. through 55-gal. drums. Ideal for lubricants, solvents and industrial chemicals. Selfadjusting telescoping suction tube; removable spout, comfortgrip vinyl handle. Dispenses approximately 350cc per stroke. Individually boxed.

Stock No. 718







500-LB. CAPACITY KNOCK DOWN PORTABLE WORK BENCH

Heavy duty steel tube construction with poly-foam padding on top. Holds up to 500 lbs. Easily adjustable height. Legs can be disassembled to fit into shipping box with dimensions that allow for UPS delivery.

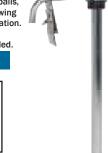
Stock No. PB-3K

5-GAL PAIL PUMP WITH TIE-DOWN **BRACKET**

The #746 has a sturdy bracket that tightly clamps on to pails, preventing spills and allowing smooth one-handed operation For use with solvents and thinners. Individually carded.

Stock No. 746







55 GALLON T-HANDLE DRUM PUMP

Designed to fit 15-gal. through 55-gal. drums. Steel construction, removable spout, comfort grip pull handle. Dispenses approximately 1 ½ pints per full lift stoke. Individually boxed. 6 per case.

Stock No. 716

"PLASTIC STEEL" BUNG WRENCH

Rust-proof and will not cause sparks. Use on 3/41 and 2" caps on 55-gallon drums, or as a pry tool for 5-gallon and 6-gallon plastic bucket lids.

Stock No. 725



DOUBLE SOLVENT DISPENSER

A "must" for any shop with limited floor space. Sturdy steel tubing frame with easy-tilt pail supports and adjustable "lip-grip" handles conveniently dispenses and stores 5-gallon buckets of solvents, thinners, strippers and more. Individually boxed.

Stock No. 748



SINGLE SOLVENT **DISPENSER**

This labor saver makes the dispensing of fluids from 5-gal. buckets almost effortless: simply tilt and pour. Individually boxed.

Stock No. 747



PLASTIC DRUM **PUMPS**

55-GAL. PLASTIC DRUM PUMP

5-GAL. PLASTIC PAIL PUMP

Stock No. 724

Stock No. 726

INDIVIDUALLY BOXED

INDIVIDUALLY BOXED



Polyethylene & Polypropylene construction resist corrosion from commercial grade soaps & detergents.

DESIGNED FOR USE IN THE **DETAILING** TRADE.

NOT FOR USE WITH THINNERS, REDUCERS & OTHER SOLVENTS



EQUIPMENT FOR THE SHOP

ELECTRICAL

STANDARD BLACK ELECTRICAL TAPE



Durable PVC. 3/4" x 50-ft. Stock No. 33546

34" X 50FT COLORED **ELECTRIC TAPE**

PVC insulating tape in bold colors. Each roll measures 3/4" wide with a length of 50 feet. 10 rolls per sleeve, 200 rolls per case.





Stock No. 33546-W Stock No. 33546-B

Stock No. 33546-R

Stock No. 33546-Y

Blue Red

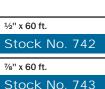
White

Yellow

ADHESIVES

HIGH PERFORMANCE DOUBLE-FACE TAPE

For use on urethane painted surfaces. Individually carded.





RED LINER URETHANE DOUBLE FACE TAPE As strong as 3M at a lower cost. ½" x 60 ft. Stock No. 744 %" X 60 FT. Stock No. 749

CLEAR DOUBLE-FACE TAPE

For attaching vinyl side moulding, emblems, trim and other articles where high holding strength is required. Individually carded.

½" x 60 ft.

Stock No. 738

%" X 60 ft.

Stock No. 739





HEAVY DUTY AUTOMATIC 3-FUNCTION WIRE STRIPPER

Acts as a wire stripper, terminal crimper and wire cutter. Self-adjusts to remove insulation from solid or stranded 10 - to - 26 gauge wire without damaging the conductor. Crimps insulated and non-insulated terminals. Includes a tension-adjusting screw and steel construction with insulated plastic handles.

Stock No. 2512



AUTOMATIC WIRE STRIPPER Quickly and easily strips the plastic insulation from 12- to 22-gauge electrical wiring. Insert the wire into the proper hole and squeeze. Individually carded.

Stock No. 52260



ADJUSTABLE MINI WIRE STRIPPER Special cam wheel adjusts for wire gauge settings (10-24 gauge). Carded. Stock No. 2520



RATCHET CRIMPING TOOL

For coax. connectors, inter-locking conns, cord end terminals, insulated terminals.8.7" Professional ratchet type crimping tool for F, BNC, TNC, N, fiber optics connectors, inter-locking connectors, cord end terminals, insulated & non-insulated terminals.

Stock No. SGT-18900

MINI 12-VOLT AUTOMOTIVE BULBS

Top quality automotive bulbs with solid brass base, shock resistant filaments and solid lead contacts assure full brightness and long life. All miniature lamps are packed 10 per box.







Stock No. 194	Instrument Side Marker
Stock No. 194-A	Natural Amber Instrument Marker
Stock No. 1156	Back-Up Light
Stock No. 1157	Tail/Stop Signal
Stock No. 1157-A	Natural Amber Park Signal
Stock No. 2057	Tail/Stop Signal
Stock No. 2057-A	Natural Amber Tail/Stop Signal





NYLON ELECTRIC CONNECTORS Fast, easy connection; can be installed in minutes.

Stock No. 946 Stock No. 947

Straight Blade Male Plug

Female Connector

NYLON CABLE TIES



STANDARD CABLE TIES Available in Black & Natural nylon colors. Packed 100 per bag. 10 bags per master pack.

4" long		11 1/4" long]
53186-N	Natural	53200-N	Natural
53186-B	Black	53200-B	Black
8" long		14" long]
53201-N	Natural	53194-N	Natural
53201-B	Black	53194-B	Black



APPLICATOR GUN FOR CABLE TIES

Simplifies the placement and tightening of cable ties of any length (up to 3/8" maximum width). Simply squeeze the trigger to tighten as desired. Carded.

Stock No. 53100



25-PC PACKAGES **NYLON CABLE TIES** Available in Black & Natural nylon colors.

Stock No. 54201-N	Natural
Stock No. 54201-B	Black
Stock No. 54200-N	Natural
Stock No. 54200-B	Black
Stock No. 54194-N	Natural
Stock No. 54194-B	Black



10-PC, 12" LENGTH **HEAT-SHRINK TUBING**

Choose from 5 different diameters in 4 colors: Red, Yellow, Blue and Black. (%", and 1/2" available in Black only).

1/4" diameter	3/16" diameter	1/8" diameter
Red	Red	Red
41714-R	41716-R	41718-R
Blue	Blue	Blue
41714-B	41716-B	41718-B
Yellow 41714-Y	Yellow 41716-Y	Yellow 41718-Y
Black 41714-K	Black 41716-K	Black 41718-K
3%" diameter	½" diameter	

%" diameter	72 ulailletei
Black	Black
41738-K	41712-K



25-PC REUSABLE 8" CABLE TIES 50-lb. tensile strength. 25 per package. Available in Black or Natural. Unique design provides full tensile strength while in use, but disengages easily.

Stock No. 55408-N Natural Stock No. 55408-B

24" NYLON HEAVY DUTY CABLE TIES

Available in natural only. Stock No. 53324-N SOLD IN 25-PC. PACKAGES

3" x 110 yards

3" CLEAR PACKAGE TAPE Stock No. 33559





MAGNA SPONGE

Professional detailer's surface prep tool. This new breakthrough product safely and easily removes rail rust, waterspots, tar, bugs and paint overspray from automotive paint and glass surfaces.

Stock No. 51212



Stock No. 139



ONE-QUART SUPER SPRAYER WITH BOTTLE

This is the finest sprayer around. Features a comfortable handle with a long trigger and a totally adjustable nozzle for stream to mist. Sprays three times the amount of fluid as ordinary sprayers with each trigger stroke. Translucent plastic 1-qt. Bottle is graduated in ounces.

Stock No. 900

Sprayer Pump Only

Stock No. 900-1

1-Qt. Bottle Only

Stock No. 900-2

EQUIPMENT FOR THE SHOP

WELDING





CUT, WELD & BRAZE OUTFIT

Specially designed for light duty jobs requiring cutting, welding, brazing or soldering. Welds to $\frac{1}{2}$ " and cuts up to 3" with proper tips. The welding handle has a special tube and handle design with internal O-ring seals for added safety and ease of service. Tough impact-resistant molded storage case.

Stock No. VMCW-22

TWIN WELDING HOSE To be used with gas and oxygen.

These kink-resistant, flexible hoses have 1/4" ID twin lines.

25-Ft. Length

Stock No. 2425

50-Ft. Length

Stock No. 2450



WELDING STUDS

250 two-inch welding studs per box. Choose

Stock No. 2200

2.0mm

Stock No. 2250

WELDING TIP **CLEANER** 13-piece file set in

an aluminum case

Stock No. 2501

Stock No. 2001

5PC SPARK LIGHTER REPLACEMENT FLINTS

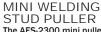
SPARK LIGHTER WITH REPLACEMENT FLINTS

Set contains the #2001 spark lighter with

Stock No. 2003

WELDER'S SPARK LIGHTER Handy size flint lighter with shielded spark cup.





a secure hold on welding studs. The quick release cam allows one handed operation.





100 pcs per box.

Stock No. 1224

Stock No. 1222

Stock No. 1326 6" x 1/4"

PEG BOARD HOOKS

Stock No. 1328

Stock No. 1330



5PC MIDGET PANEL CLAMPS

Use clamps to hold panels in place for welding. Door can be closed for alignment checks before welding due to small profile. Compact size allows for a multitude of uses.

Stock No. 20410



Copper alloy backing plate prevents burn through. (Weld does not stick to copper alloy)

Stock No. CL-333 WP

ROUND MAGNETIC GROUNDING BLOCKS Copper alloy backing plate prevents burn through.

(Weld does not stick to copper alloy)

Stock No. 3952 Stock No. 3953 2" Width 3" Width



HAMMER WITH SPRING HANDLE

Stock No. 376



2" x 1/8"

4" x 1/8"

8" x 1/4"

10" x 1/4"

EQUIPMENT FOR THE SHOP

AUTO-DARKENING WELDING HELMETS

- Completely new design with shell material that is high-and-low temperature resistant, corrosion resistant, flame retardant, light and durable.
- Clear vision on the work piece both prior and during welding, means improved quality and higher efficiency.

Overall-process protection against ultraviolet (UV) and infrared (IR) radiation.



BATTERY & SOLAR POWERED Lens Sizes: 33%" x 4½" Viewable Area: 1½" x 3½"

Stock No. 91285

DARKENING



BATTERY & SOLAR POWERED Lens Sizes: 3½" x 45%" Viewable Area: 1½" x 3½"

Stock No. 91287



SOLAR POWERED Lens Sizes: 2" x 4¼" Viewable Area: 1¼" x 3½" Stock No. 91288

AUTO DARKENING



SOLAR POWERED Lens Sizes: 3%" x 4½" Viewable Area: 1½" x 3½" Stock No. 91280

REPLACEMENT LENS FOR #520 & #91277



WELDER'S HELMET

This tough welder's helmet has a flip-front plate holder that comes with 2" x 4 $\frac{1}{4}$ " cover plate and shade #10 filter plate. Individually packed.

Stock No. 91277

2" x 4" CLEAR LENS

Stock No. 91277-1

2" x 4" #10 SHADE LENS

Stock No. 91277-10



3" x 4" CLEAR LENS

Stock No. 91275-1

3" x 4" #10 SHADE LENS

Stock No. 91275-10



FLIP-UP WELDING GOGGLES

2" x 4 ¼" green poly-carbonate lens, shade #5. Ultraviolet/infrared protection; impact resistant (not unbreakable); can be worn over any corrective eyewear. Individually packed.

Stock No. 520 Stock No. 520-1

Stock No. 520-5 Shade #5 Lens

Stock No. 520-10 Shade #10 Lens

Clear Lens

1000

FLIP-UP WELDER'S GOGGLES

Featherweight durable frame fits over any Rx glasses. Flip-front for use when grinding. Polycarbonate lens; shade #5. Individually packed.

Stock No. 510



REPLACEMENT LENS FOR #500 & #510

WELDER'S CUP GOGGLES

Shade #5 polycarbonate filter lenses are suitable for gas welding, burning, brazing and cutting. Ultraviolet/infrared protection; impact resistant; adjustable elastic headband. Conforms to ANSI standard Z87.1. Individually packed.

Stock No. 500

Stock No. 500-1

Clear Lens

Stock No. 500-5 Stock No. 500-10 Shade #5 Lens Shade #10 Lens

PROTECTIVE WEAR



NEW

N95 PARTICULATE MASKS

- · Advance filter traps small particles while allowing for comfortable breathing.
- 95% efficient for dust and non-oil based mists.
- Double elastic head bands.
- NIOSH approved.

Stock No. 9550

20 PER BOX.



NON-TOXIC PARTICLE MASKS

Protect against non-toxic dusts, powders, pollen and other airborne irritants. Disposable mask are lightweight, comfortable, easy to breathe through; custom-fitting with adjustable metal nosepiece. 50 per box.

12 boxes per case.

Stock No. 10045





FACE SHIELD

Protects the face from flying particles and chemical splashes. Features totally adjustable headgear for a secure and comfortable fit. Large 7" x 14" clear plastic window is impact resistant and easy to replace without using tools.

Stock No. 532

Stock No. 532-1

Replacement Shield

NEW

PACKED 100 PIECES PER BAG.



SHOE COVERS

- Fits up to shoes size 10
- Economical and disposable

Leave dirt, grease, oil and other damaging contaminants outside where they belong!

Stock No. DSC-100



3-WAY COTTON SPRAY SOCKS

Used by painters everywhere. These soft spray socks protect hair and face annoying over-spray. Covers as much or as little as desired. Inexpensive and disposable. Bleached cotton material is virtually lint free. Keep an adequate supply on hand. 12 per box. 12 boxes per case.

Stock No. 141



DISPOSABLE LIGHT WEIGHT COVERALLS

Durable and reusable, these lightweight coveralls feature a zip front and elastic cuffs and ankles. Made of breathable materials. Provides twice the protection of comparable coveralls. Individually polybagged. 25 per box.

Stock No. 148 Large

Stock No. 149

X-Large



DISPOSABLE POLYESTER COVERALLS

Lightweight, durable and reusable with zip front and elastic arm and ankle cuffs. Made of breathable materials. Individually poly-bagged. Packed 25 per box.

Stock No. 1480

Large

Stock No. 1490

X-Large

PROTECTIVE WEAR



HEAVY DUTY SHOP APRON

Protect your clothing with this washable 100% denim apron. Convenient and roomy 6" x 8" pocket. One size fits all with an overall length of 39". Great for home, workshop, garage, painting, repairs, clean up and hobbies. All sides hemmed and finished. Individually poly bagged, 6 bags per box.

Stock No. 7320



BLUE NITRILE

DISPOSABLE GLOVES

Powder Free, Texture Grip, Disposable Resistant to oil & chemicals puncture resistant, chemical & solvent resistant, latex free. For general repairs, refinishing, plumbing, solvent use, auto repair, painting, furniture staining, maintenance, janitorial and many uses.

Stock No. 93

Large

Stock No. 94

X-Large



LIGHTWEIGHT TWO-POCKET APRON

Lightweight and washable 100% cotton apron with two large pockets. One size fits all with an overall length of 39". Great for home, workshop, garage, painting, repairs, clean up and hobbies. All sides hemmed and finished. Individually poly bagged.

Stock No. 7322





ATEX GLOVES

Super thin, but tough. Easy on/off latex with rolled-cuff reinforced opening. Grease and thinner resistant. 100 pieces per box.

Stock No. 86

Small Size

Stock No. 84

Medium Size

Stock No. 89

Large Size



Stock No. 530



BACK SUPPORT BELT

Provides comfortable relief from lower back strain. 1 1/2" extra-wide elastic support suspenders. Tapered abdominal support panels with easily adjustable elastic outer panels for added support. Can be worn with or without suspenders. All velcro attachments. Double-blister packed.



Stock No. 96102	Small (28 - 32 waist)
Stock No. 96103	Medium (32 - 38 waist)
Stock No. 96104	Large (38 – 47 waist)

X-Large (46 - 56 waist)

DISPOSABLE VINYL GLOVES

Non-allergenic - powder free. 100 pcs per box.

Large Gloves

Stock No. 89-\

X-Large Gloves Stock No. 90-\





- · Professional quality
- · One size fits all
- Rust-Resistant brass grommets for added strength
- · Comfortable, double elastic straps with easy off
- · Heavy plastic caps on front for easy knee swiveling

Stock No. 52280



ELBOW PADS

- · Ideal for automotive and household repair
- Thick foam center padding for maximum comfort stitched-down cap keep dirt out
- Elastic straps with easy-on, easy-off fasteners for a good fit
- Professional quality for use in all trades

Stock No. 52285

BRUSHES

PAINT BRUSHES



144PC ASSORTED ARTIST BRUSH DISPLAY Contains 24 pieces of each size from #1 to #6, with painted wood handles and camel hair bristles. Includes this cylindrical plastic display container.

Stock No. 2905



PAINT BRUSH

Economical throw-aways with wood handles, pure hog bristles and tinned ferrules. All brushes packed bulk.

Stock No. 601	½" Width (36 per box)
Stock No. 602	1" Width (36 per box)
Stock No. 603	1 ½" Width (36 per box)
Stock No. 604	2" Width (24 per box)
Stock No. 605	2 ½" Width (12 per box)
Stock No. 606	3" Width (12 per box)
Stock No. 607	4" Width (12 per box)

36-PC. ASSORTED PAINT BRUSH DISPLAY

Contains 36 wood handle paint brushes (as described above) in an assortment of 1", 1 1/2" and 2" widths. Each brush is individually poly-bagged in an attractive counter display box.

Stock No. 1564



½" BRISTLE DETAILING BRUSH

1 1/2" wide wood handle detail brush has short hog bristles for efficient cleaning without damaging surfaces. 36 per box.

Stock No. 608



EASY-GRIP DETAIL BRUSHES

Small size molded plastic handle brushes clean hard to reach areas and tight spaces. Choose from brass, nylon, or stainless steel bristles for particular tasks, or get the 3-pc. set (#612 shown below) for total versatility. (If carding is desired, add "-CD" to stock no.).

Stock No. 609-B Stock No. 609-N

Nylon Bristles

Stock No. 609-S

Stainless Steel Bristles

Brass Bristles



3PC EASY-GRIP BRUSH SET

Contains one brass brush and one steel brush for heavy duty scratching; one nylon brush for gentle clean-up work. Special polypropylene molded handles provide a comfortable grip. Will withstand thinners and chemicals. Set carded. 12 cards per box.

Stock No. 612



Multi-purpose brush includes both nylon and hog hair bristles (9/16" in length). Contoured plastic handle is 7" length and curved for easier reach.

Stock No. 616



3PC SUPER WIRE BRUSH SET

Each brush has a comfort-grip molded handle and 3 x 11 rows of bristles. The set contains one each of nylon, brass and stainless steel bristles. Nylon for detailing upholstery and dash, brass for cleaning soldering points and stainless steel for removing rust. Set carded. 6 cards per box.

Stock No. 611

STAINLESS STEEL & BRASS AVAILABLE SEPARATELY

Stock No. 611-S

Stainless Steel

Stock No. 611-B

Brass



DETAILING BRUSH WITH ½" HORSE-HAIR BRISTLES

7" contoured grip handle with horsehair bristles are perfect for rigorous detailing without marring surfaces. Resistant to strong cleaners and thinners.

Stock No. 609-H 7" Long x 36" Wide

NYLON HANDLE BRUSHES

Each brush has a comfort-grip molded handle and 4 x 14 rows of bristles. Use brass for cleaning soldering points and stainless steel for removing rust.



Stock No. 4425-B

Brass

#1 Size

Stock No. 4425-S

Stainless Steel

FINE RED SABLE ARTIST BRUSHES

These are the quality brushes the pros use. Red sable fox hair bristles produce cleaner lines while holding their shape and integrity longer than other bristles. 12 brushes per package.

#000 Size Stock No. 52079 Stock No. 52080 #00 Size Stock No. 52081 #0 Size

Stock No. 52083

Stock No. 52034 #2 Size



ACID BRUSH 12-PACK

12 pieces %" acid brushes.

Stock No. 546-12



ACID BRUSHES

Manufactured with electrolytic tin plate and filled with 100% pure stiff horse hair and tied with a steel staple. 144 per box.



1/2" Bristle Width

Stock No. 547



%" Bristle Width

Stock No. 546

MULTI-PURPOSE INDUSTRIAL BRUSHES

Small size brushes clean hard to reach areas in engines, electric motors, transmissions and any other tight spaces. Slightly larger than a toothbrush, these brushes feature curved wooden handles and 3 x 7 rows of brass, stainless steel or nylon bristles. Bulk packed, 12 per box. (If carding is desired, add "-CD" to stock no.).

Stock No. 199-B

Brass Bristles

Stock No. 199-N

Nylon Bristles

Stock No. 199-S

Stainless Steel Bristles



14" long 1" wide



14" CURVED WOOD HANDLE WIRE BRUSH

14" long x 1" wide. 3 x 19 rows of wire bristles, wooden handle. 12 brushes per box.

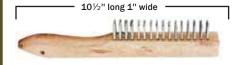
Stock No. 4404



6 34" HOG HAIR CLEANING BRUSH

Densely packed hog hair bristles will not dissolve in cleaning solvents, gasoline, thinners and paint removers. Will not scratch or mar painted surfaces. Ideal for detailing or applying compounds and polishes. 1 1/4" bristle length. Individually carded. 12 per box.

Stock No. 541



10 ½" SHOE HANDLE WIRE BRUSH WITH STEEL BRISTLES 10-1/2" long x 1" wide. 3 x 16 rows of wire bristles, wooden handle. 12 brushes per box.

Stock No. 4416

AUTOMOTIVE CLEANING BRUSHES

Densely packed bristles with 8" wooden handles. Bristles will not dissolve in cleaning solvents, gasoline, thinners and paint removers. Will not scratch or mar painted surfaces. Great for applying compounds and polishes, or as parts clean-up brushes. Individually carded, 6 per box.

2 ½" tapered nylon bristles Parts Cleaning Brush

Stock No. 542



2" flat-cut hog bristles Automotive Brush



SPREADERS & CAULKING GUNS



WOOD-HANDLE PUTTY-KNIVES

Flexible blades are heat-treated and finished. Full tang through handle with brass rivets and eyelet. Individually carded. 6 per box.

Stock No. 563 3" Blade
Stock No. 564 4" Blade
Stock No. 565 5" Blade
Stock No. 566 6" Blade



3-PC. PLASTIC SPREADER SET

Top quality non-stick polyethylene spreaders. 4", 5" and 6" size for all types of fillers. Carded. 12 cards per box.

Stock No. 61700

100-PC. INDIVIDUAL PLASTIC SPREADERS IN DISPLAY BOX

High quality non-stick polyethylene spreaders. Choose from 4", 5" & 6" sizes. Ideal for a variety of fillers.

 Stock No. 61704
 4" Size

 Stock No. 61705
 5" Size

 Stock No. 61706
 6" Size

100 PCS PER BOX



6" DOUBLE-ENDED PLASTIC SPREADERS High quality non-stick polyethylene spreaders. Ideal for a variety of fillers.

Stock No. 61708

6" X 3 ½"



100 PCS PER BOX





4-PC. METAL SPREADER SET

Metal spreaders are easily cleaned up and can be used over and over. Set contains one each: 1^n , 2^n , 3^n and 4^n spreader. Plastic handles. Set carded. 12 per box.

Stock No. 61500



10PC PLASTIC SPREADER PACK High quality non stick polyethylene spreaders Bundled in packages of 10. Choose from 4", 5" & 6" sizes.

Stock No. 61704-10	4" Size
Stock No. 61705-10	5" Size
Stock No. 61706-10	6" Size

CAULKING GUNS



Delivers 3 times more thrusting power to make even the heaviest of compounds extrude faster and easier. Built of die-cast alloy and steel for maximum strength and reliability.

Stock No. 76001

24 per case. (Add "-CD" to stock number if carding is desired)



Stock No. 76005



cartridges or "sausages". Features a rotating barrel for smooth and consistent application around curves.

Stock No. 76008



Stock No. 101

BLACK RUBBER SQUEEGEES

2" x 3" straight edges, made of quality flexible rubber. Great for watersanding, feather-edging & spot-puttying. 100 per box. 500 per case.

Stock No. 202

5 Squeegees, Carded Stock No. 2026



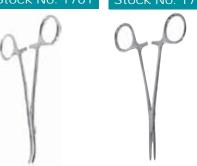
ASSORTED HAND TOOLS

SURGICAL STEEL HEMOSTATS

5" Curved Jaw

Stock No. 1761





7" Straight Jaw

10" Straight Jaw

Stock No. 1770

Stock No. 1780





12" Straight Jaw

Stock No. 1790

33PC SECURITY BIT SET Set includes: Torque, Tri-wing, Spanner, Tork-set, Hex (SAE), Hex (Metric). Set carded. Stock No. 56173



15PC STAR BIT SET 3": T-20, T-25, T-30, T-40, T-50, T-55. 1": T-20, T-25, T-30, T-40, T-45, T-50, T-55. 1½" chrome vanadium adaptor.

Stock No. 37815

MAGNETIC PARTS DISHES

Can be placed upright, vertical or upside-down on doors, hoods, oil pans, paint booths, tool boxes, etc. Conveniently keeps track of nuts, bolts, sockets, tools, parts molding clips and more. The magnet bases are rubber lines to prevent marring finishes.

RECTANGULAR STAINLESS DISH,

DOUBLE-MAGNET; 9-3/8" X 5-3/8"



ROUND STAINLESS DISH; 6" DIA. X 1-1/4" DEEP

Stock No. 3405





9 PIECE 5 POINT TAMPER-RESISTANT STAR BIT SET

NEW

5 POINT SECURITY BIT SET

- These bits remove and replace 5 point Torx security screws found underhood, undercar, on dashboards and holding body and trim parts in place.
- Universal applications
- Remove/install electrical sensors.
- Remove and replace 5 point Torx security screws.

Stock No. 10895



10-IN-1 SCREWDRIVER

Bits include $^{1}\!\!\!/^{\!u}$ and 3/16" Slot; #1 and #2 Phillips; T-10, T-15, T-20, T-25; $^{1}\!\!\!/^{\!u}$ and 5/16" nut drivers. Carded.

Stock No. 22199



10 ½" FLEXIBLE HOSE CLAMP SCREWDRIVER

- For easy removal and installation of most hose clamps.
- Flexible shaft allows access to difficult locations.
- High torque grip for positive tensioning of clamps.
- Interchangeable sizes for use on most standard hose clamps.

Stock No. 417



MAGNETIZER/DEMAGNETIZER

Magnetize and demagnetize screwdriver blades, files, wrenches, tweezers, pliers and other tools made of steel. Individually carded.

ASSORTED HAND TOOLS



ALL STEEL

8PC T-HANDLE HEX KEY SETS PVC-coated handles add comfort to all steel hex key sets. Packed in vinyl pouches.

RED HANDLE FOR SAE SIZES 5/64", 3/32", 1/8", 9/64", 5/32" 13/16", 7/32" and ½"

BLUE HANDLE FOR METRIC SIZES 2.0, 2.5, 3.0, 3.5, 4.0, 5.0, 5.5, 6.0mm.

Stock No. 20348

6" Length SAE

Stock No. 20349

6" Length mm 9" Length SAE

Stock No. 20358 Stock No. 20359



27 PIECE %" & ½" DRIVE STAR SOCKET BIT SET & "E" SOCKET SET WITH METAL CASE

Five - 3/8" Dr "E" sockets: E10, 12, 14, 16, 18 Three - 1/2" Dr "E" sockets: E20, 22, 24

Five - 3/8" Dr star sockets bits: T20, 25, 27, 30, 40 Five - ½" Dr star socket bits: T45, 50, 55, 60, 70 Eight - 25mm bits: T8, 10, 15, 20, 25, 27, 30, 40

One - 1/4" x 3/8" adaptor

Stock No. 37427

14-PC. ½" DR. DEEP IMPACT SOCKET SET IN CASE

SAF Sizes: 3/8" to 1 1/4"; with sturdy PVC case.

Stock No. 415-DDS

METRIC Sizes: 10mm to 30mm with sturdy PVC case

Stock No. 415-DDM





SELF PRIMING SIPHON HOSE

This self priming Siphon Hose has a 6' long anti-static, anti-spark hose with a 3/4" diameter copper tip that contains a check valve (a glass ball and stainless steel spring). The secret to the Siphon Hose is in this check valve which make it self-priming.

Just set the copper valve end into your liquid and use a few quick strokes up and down to start the self-priming action of the Siphon Hose. When the fluid in the hose is past the level of the fluid in the tank, you are siphoning from, gravity will take over.

That's it, and in $1\frac{1}{2}$ minutes flat you can transfer 5 gallons of gas (or any other liquid) safely, without any gas in your mouth or on the ground!

Stock No. 6412

1/2" Diameter x 70"

Stock No. 6434

3/4" Diameter x 80"

Stock No. 6456

1" Diameter x 80"



DOUBLE END SHEET METAL NIBBLER WITH METAL CASE

- · With two cutter heads, it can do somersault cutting,
- The cutter head can turn four directions and fix position of 360°
- The matching electric power-driven or air-powered drill should be 8mm, 1500/3000 RPM
- The minimum radius for cutting is 12mm

Stock No. 10650



SHEET METAL NIBBLER DRILL HOLDER

For when you need to both hands free. For use with 10650.

Stock No. 10650-H



9" SAFETY WIRE TWISTING PLIERS

Use for twisting wire up to .060 gauge into a braid that won't unravel. Works with a simple one-pull action with automatic return.

Stock No. 52245



2PC HOG RING PLIERS SET

- Set contains one straight and one 45° angle hog ring pliers.
- · Spring loaded to hold hog ring in place during installation.

Stock No. 55222

100PC. REPLACEMENT **HOG RINGS**

Stock No. 55112-R





Stock No. 55112



11 PC. SPLINE BIT SET

Contains (5) 30mm bits: M5, M6, M8, M10 & M12 Contains (5) 75mm bits: M5, M6, M8, M10 & M12

One 11/2" x H10 adapter



5PC BALL PEIN HAMMER SET WITH F/G HANDLES

Fiberglass handles and rubber grips for durability plug long life. Polished and drop forged steel heads.

Set contains 1 ea: 8oz, 12oz, 16oz, 24oz and 32oz.

Stock No. 52500



10 PC. ½" DR TAMPER PROOF STAR BIT SET

Contains: T20, T25, T27, T30, T40,T45, T50, T55, T60 & T70.

Stock No. 37819



8 PC. ½" DR EXTENDED LENGTH TAMPER PROOF STAR BIT SET

Contains: T27, T30, T40, T45, T50, T55, T60 & T70

Stock No. 37820



10 PC. HEX BIT SET

METRIC 9mm to 17mm

Stock No. 10810

SAE

⅓" X ⅓"

Stock No. 10812

8 PC. LONG SHANK HEX BIT SET



METRIC INCLUDES: ½"DR. 3/16,¼, 9/32, 5/16, ¾, ½, 9/16, 21/32

Stock No. 128-HBA

SAE INCLUDES: 5,6,7,8,10,12,14,17mm

Stock No. 128-HBM



10-½" HEAVY DUTY LOCKING PLIER WITH SWIVEL SHACKLE

- Chrome vanadium steel drop forged jaws, heat treated.
- Fixed handle chrome molybdenum steel. Heat treated.
 Carded

Stock No. CL-335 LPS

2PC HOSE REMOVER SET

Carded.



%" STUBBY RATCHET

Stock No. 78260



DUAL HEAD ¼" AND ¾" DRIVE STUBBY RATCHET

Stock No. 78262



FLEXIBLE DUAL HEAD 1/4" AND 3/4" DRIVE STUBBY RATCHET

Stock No. 78265



%" RATCHET WITH QUICK RELEASE



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134	5	214-NL	8	319	19	508-5	4	616	76	716	69
137	6	214-SB	8	320	11	508-6	4	618	29	718	69
138	71	214-SL	8	321	11	508-7	4	620	29	724	69
139	71	215-BB	8	322	13	509	4	620-3604	68	725	69
141	74	215-BL	8	323	11	509-1	4	620-7805	68	726	69
144	9	215-NB	8	323-2	11	509-2	4	621	20	738	70
148	74	215-SB	8	323-25	11	509-3	4	622	26	739	70
149	74	215-SL	8	325	18	509-4	4	623	21		
150	2	217	55	326		509-5	4	624	26		
130	2	217	33	320	18	303-3	4	024	20		

742	70	9	02	9	1667	22	2581	68	4108	13	7100	42
743	70		800	9	1564	76	2705	53	4320	59	7128	56
744	70		16	9	1701	60	2720	53	4324	39	7222	55
745	69		51	9	1702	60	2730	53	4404	77	7223	55
746	69		000	20	1703	60	2740	53	4416	77	7224	55
747	69		000-30	20	1704	60	2805	52	4425-B	76	7308	17
748	69		000-31	20	1705	60	2905	76	4425-S	76	7309	17
749	70		002	20	1706	60	3031	13	4451	61	7310	17
752-2	55		004	20	1725	60	3103	11	4452	61	7311	17
755	26		004-L	20	1733	34	3104	11	4453	62	7312	17
757	57		006	20	1734	34	3214	13	4454	62	7313	17
758	57		006-L	20	1761	79	3228	13	4455	62	7314	17
759	57		010	19	1762	79	3230	13	4460	61	7315	17
760	56		012	19	1768	52	3260	13	4461	61	7316	17
761	56		015	19	1770	79	3290	13	4462	61	7320	75
766	57		015-1	19	1770	79	3300-1	29	4463	61	7322	75
767	56		015-1	19	1790	79	3303	46	4464	61	7326	17
768	56		015-2	19	1766	8	3303-S	46	4465	61	7327	17
771	57		015-4	19	1767	8	3330	12	4466	61	7328	17
772	5 <i>7</i>		023	19	1802	12	3330-A	12	4480	65	7329	17
773	57		025	19	1803	12	3405	79	4482	62	7330	17
775	57 57		025			34	3408	79				
			040	19	1820		3430		4484 4495	62 65	7331 7332	17
804	63			12	1821	34		13		65 65		17
810	63		060	12	1827	11	3642	26	4496	65	7332	17
819	20		072-H	37	1833	34	3642-4	26	5120	29	7340	17
821	18		075-H	37	1834	34	3701	68	5518	23	7341	17
840	14		080	12	1835	34	3800	26	5520	23	7342	17
842	14		101	11	1836	34	3801	68	5540	35	7345	17
843	14		112	11	1841	34	3802	68	5542	35	7346	17
844	15		113	11	1842	34	3803	45	5544	35	7347	17
844-M	15		114	4	1843	34	3803-100	45	5620	25	7348	17
845	15		114	11	1844	34	3804	45	5630	25	7349	17
846	15		115	11	1848	34	3805	45	5650	25	7350	17
847	15		140	12	1853	14	3085-100	45	5670	25	7367	16
848	14		150	12	1860	34	3807	68	5690	25	7368	16
855	17		156	70	1861	34	3808	45	6010	51	7421	35
856	17		157	70	1862	34	3808-100	45	6011	55	7422	35
859	15		157-A	70	1863	34	3809	45	6012-A	58	7423	35
860	15		201	60	1864	34	3809-100	45	6014	56	7424	35
861	14		202	60	1885	18	3810	45	6016	56	7425	35
862	15		203	60	1920	60	3810-100	45	6018	56	7432	35
863	15		204	60	1923	62	3811	45	6028	59	7433	35
864	14	1	222	72	1924	60	3811-100	45	6051	68	7434	35
865	15	1	224	72	1940	62	3812	45	6056	68	7435	35
866	15	1	230	34	1943	56	3812-100	45	6073	37	7442	35
866-S	15	1	300	34	1947	58	3813	45	6074	37	7443	35
867	14		326	72	2001	72	3813-100	45	6075	37	7462	35
868	15	1	328	72	2002	72	3814	45	6076	37	7463	35
868-S	15		330	72	2003	72	3814-100	45	6084	37	7464	35
869	15		340	12	2026	78	3815	45	6412	80	7472	40
869-S	15		360	12	2057	70	3815-100	45	6434	80	7506	36
900	71	1	401	60	2057-A	70	3816	45	6447	17	7507	36
900-1	71		402	60	2190	56	3816-100	45	6448	17	7562	40
900-2	71		403	60	2200	72	3817	45	6456	80	7600	38
922	37		404	60	2238	44	3817-100	45	6467	17	7605	38
923	37		405	35	2239	44	3818	45	6468	17	7605-2	38
923-R	37	1	406	35	2250	72	3818-100	45	6500	38	7606	38
924	51		407	35	2300	72	3819	45	6501	38	7606-2	38
926	37		408	35	2405	35	3819-100	45	6518	23	7607	38
929	37		409	35	2406	35	3830	45	6520	23	7608	38
946	70		410	35	2407	35	3830-100	45	6524	23	7609	38
947	70		425	16	2408	35	3900	46	6526	23	7653	40
871	14		438	60	2409	35	3901	46	6527	23	8263	16
872	11		450	16	2410	35	3910-100	45	6528	23	8265	16
875	11		456	60	2425	72	3930-100	45	6529	23	8269	16
878	11		480	74	2450	72	3932-100	45	6545	38	8300	16
880	11		490	74	2501	72	3952	72	6555	23	8367	16
882	11		622	60	2512	70	3953	72	6588	23	8368	16
901	9		623	60	2520	70	4101	13	6929	37	8369	16
501	J	'	323	00		. 0		.0	3020	0.	2000	.5

0.404				07050	40	E404E		F0004	20	774.40	5 0
8464	35	18314	61	37650	42	51245	41	52984	36	77143	52
8468	16	18500	20	37666	42	51250	41	52985	36	77144	52
8500	50	18501	20	37670	42	51255	41	52987	36	77145	51
8501	55	18502		37809	42	51260	41	52999	38	77150	46
			20								
8502	55	18540	62	37812	44	51270	41	53100	71	77151	46
8503	55	20306	24	37815	79	51280	41	53103	38	77152	46
8504	55	20310	24	37816	44	51290	41	53186-B	71	77160	58
8508	56	20312	24	37819	81	51425	16	53186-N	71	77200	58
8509	55	20317	24	37820	81	51450	16	53194-B	71	77257	58
8510	56	20348	80	37822	80	51530	40	53194-N	71	78260	81
8512	56	20349	80	37838	44	51535	40	53200-B	71	78262	81
8515	56	20358	80	39760-1	7	51540	40	53200-N	71	78264	81
								53201-B	71	78265	81
8525	57	20359	80	39770	7	51545	40				
8530	56	20410	72	41714-B	71	51550	40	53201-N	71	78305	68
9000	7	20910	65	41714-K	71	51660	40	53324-N	71	78310	68
9001	7	21800	24	41714-R	71	51694	34	53825	16	78315	68
9185	9	21806	24	41714-Y	71	51720	27	53850	16	78600	59
9317	53	21810	24	41716-B	71	51720	41	54194-B	71	78650	59
9320	53	21811	24	41716-K	71	51722	41	54194-N	71	78675	59
9506	36	21812	24	41716-R	71	51725	27	54200-B	71	80103	11
9507	36	21816	24	41716-Y	71	51726	27	54200-N	71	80401	63
9508				41718-B		51727	27	54201-B	71	80404	64
	36	22199	79		71						
9550	74	23606	24	41718-K	71	51730	42	54201-N	71	80405	63
10003	51	23610	24	41718-R	71	51735	42	54545	79	80406	63
10040	37	24002	10	41718-Y	71	51737	41	55105	9	80407	63
10045	74	24003	10	42496	58	51740	42	55112	80	80416	64
10055	37	26234	49	43560	26	51745	42	55112-R	80	80442	64
10055-H	37	26236	49	44100	33	51750	42	55222	80	80453	64
10057	37	26242	49	44101	33	51805	25	55408-B	71	80460	63
10223	52	26248	49	44125	33	51806	25	55408-N	71	80499	64
								56173	79	80812	64
10223-18	52	26500	50	45500	9	51823	27				
10223-24	52	26542	49	45502	9	51823-1	27	59103	51	80820	64
10223-30	52	26543	49	45600	9	51823-2	27	60101	51	81002	64
10638	28	26544	49	45604	9	51824	27	60105	51	81004	64
10650	80	26545	49	45800	9	51826	39	61403	28	81005	63
									78	81006	
10650-H	80	26546	49	45808	9	51829	27	61500			63
10655	28	26548	49	47399	7	51834	25	61700	78	81060	63
10810	81	27545	49	47906	24	51835	25	61704	78	81101	63
10812	81	27546	49	47910	24	51836	25	61704-10	78	81110	63
10850	66			47912	24	51840	35	61705	78	81202	65
		30002	67								
10850-P	66	30235	56	47924	24	51860	35	61705-10	78	81805	63
10851	66	30237	10	47926	24	51872	34	61706	78	81810	63
10895	79	30239	10	48800	54	51873	34	61706-10	78	81840	65
10899	59	31002	64	48806	24	51880	35	61708	78	82002	64
12923	37			48810	24	51883	34	62020	35	82005	64
		31004	64								
13400	12	32500	58	48812	24	51884	34	62040	35	87500	48
14002	24	32600	58	48817	24	51885	34	62060	35	87600	48
14003	24	32802	58	48819	24	51886	34	62080	35	87605	47
14006	24	32900	58	48906	24	51887	34	62100	35	87606	47
								62150	35	87700	48
14302	24	33006	64	48910	24	51900	39				
14303	24	33012	64	48912	24	51927	25	64028	49	87717	48
14306	24	33020	64	48917	24	51927-F	25	64032	49	87724	48
14911	24	33030	64	48919	24	51928	27	64056	49	87948	54
14912	24	33050	64	49500	51	51950	40	64060	49	87950	48
								65143	63	88200	33
14917	24	33285	58	49501	51	51970	40				
14919	24	33546	70	49505	51	52034	76	65145	63	91275	73
14921	24	33546-B	70	50930	25	52079	76	65841	64	91275-1	73
14924	24	33546-R	70	50931	25	52080	76	76001	78	91275-10	73
14926	24	33546-W	70	50932	25	52081	76	76005	78	91277	73
								76008			
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15424	9	33559	71	50935	25	52245	80	76400	40	91277-10	73
17201	24	33850	55	50936	27	52260	70	77130	51	91280	73
17202	24	35105	69	50937	26	52280	75	77131	51	91285	73
17204	24			50938	26	52285	75	77132	52	91287	73
		35115	69								
18302	61	35130	69	50939	40	52500	81	77134	52	91288	73
18304	61	35155	69	50940	26	52534	52	77136	52	95300	38
18306	61	35800	67	51212	71	52930	36	77137	57	95301	38
18308	61	35900	67	51235	41	52932	36	77139	57	95302	38
18312	61	37427	80	51240	41	52934	36	77142	52	95304	38
10312	O I	31421	00	31240	41	32334	30	11172	02	30304	00

96003 96012 96102 96103 96104 96105 135014 135021 137018 137025 604202 A-10 A-9 A-9F ABH-001 ABH-002 AFR-802 AFR-803 AFR-804 AT-010K AT-011K AT-170SG AT-171 AT-180SG AT-171 AT-180SG AT-185SG AT-186-34 AT-193 AT-2012KSG AT-238 AT-261SG AT-262	43 43 43 43 43 43 75 75 75 75 75 24 24 24 24 24 24 26 67 66 61 14 14 14 13 30 30 31 31 31 31 31 31 31 31 31 31	C-506 C-602 C-901 C-902 C-903 CF-617-I CF-617-J CF-715-BK CF-716-AK CF-716-BK CF-716-K CL-333WP CL-335LPS DSC-100 EW-1000 EW-110 EW-2000 EW-220 EW-550 EW-770 FR-103 HG-150 HG-250 HR-600 HR-850A HR-850B K-152-3 K-153 K-154 K-156 K-158 LS-3004 NT-0140-1	62 61 61 61 61 51 51 23 23 23 72 81 74 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
AT-280 AT-285-6 AT-285-6K AT-344SG AT-380 AT-4031KSG AT-4031SG AT-4038SG AT-4041KLSG	22 32 32 30 22 31 31 31	NT-0140-1 NT-0140-2 NT-0140-3 NT-0140-4 NT-0140-5 NT-0140-6 PB-3K PT-02AU PT-03AU	49 49 49 49 49 69 4
AT-5030 AT-5052SG AT-5053 AT-5055SG AT-6015KSG AT-6015SG AT-6036 AT-6040 AT-6040S	31 32 32 32 32 33 30 29 31 31 32 21	R-2 SGT-18900 SP-01 SP-02 SP-03 SP-09 SP-09M SP-10 SP-10M T-402 TP4-1	3 70 23 23 23 23 23 23 23 62 62
AT-7032LSG AT-7033K AT-7033LSG AT-7034SG AT-7034SG AT-7035K AT-7037 AT-7038 AT-780-6	30 30 30 30 30 30 30 21 32 22	TP4-1 TP4-2 VMCW-22 W-71 YC-1000 YC-601 YC-602 YC-603 YC-706 YC-710	63 72 2 63 60 60 60 63 63
AT-880A AT-880B AT-980-6 C-301V-18 C-301V-24	32 21 21 22 22 59 59		



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