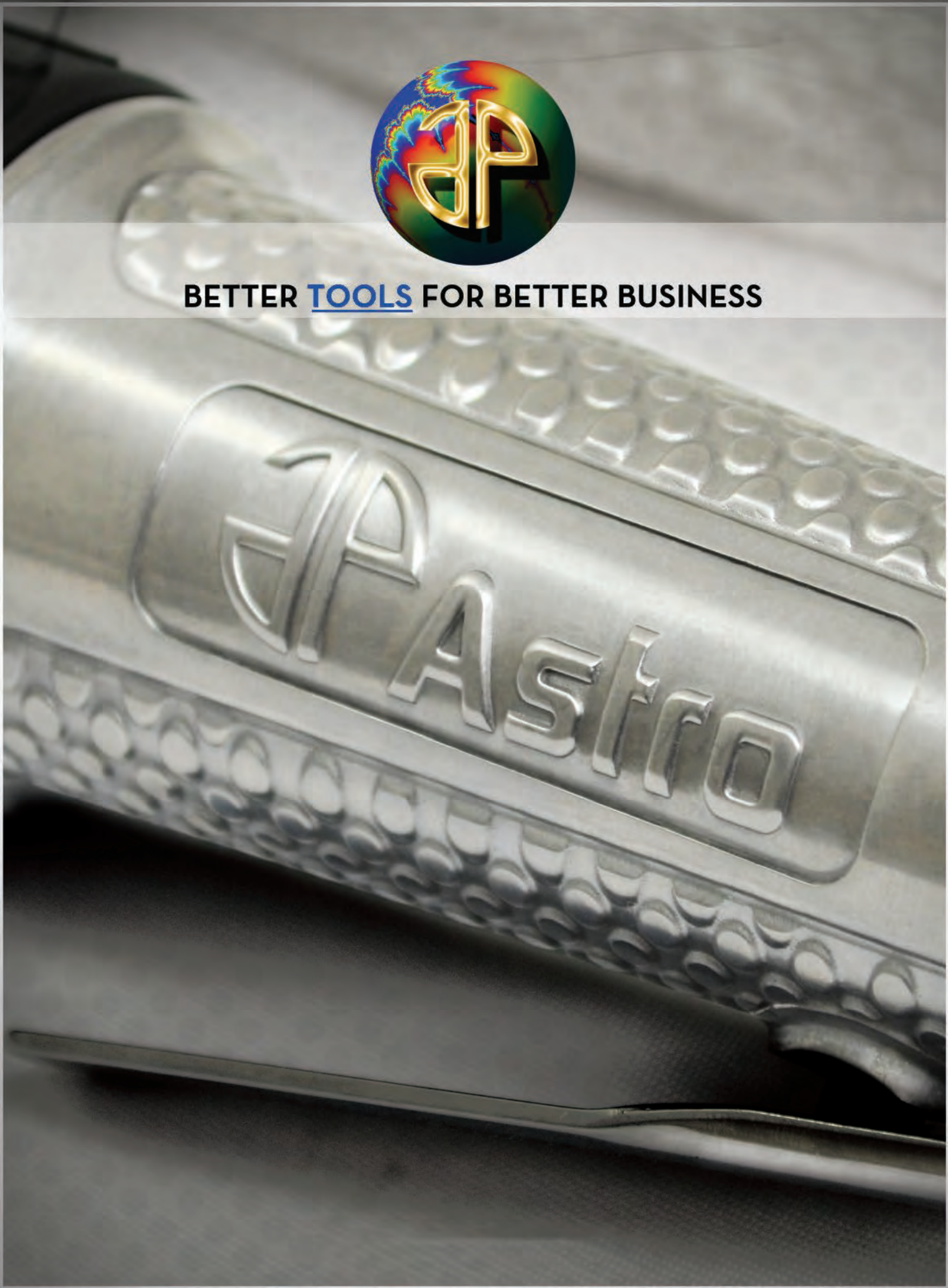




BETTER TOOLS FOR BETTER BUSINESS





Astro Pneumatic Tool Company



Coast to Coast Distribution



With over 40 years of experience importing goods into the domestic automotive aftermarket, Astro Pneumatic Tool Company offers several product categories for one-stop shopping. Here at Astro, we understand the importance of adapting to the demands of an ever-evolving marketplace by providing a continuous stream of new and innovative products in addition to covering the wide breadth of popular industry classics. In this day and age, the phrase 'Time Is Money' rings more true than ever and Astro is dedicated to remaining at the forefront of Time Saver tool offerings that limit laborious processes and increase efficiency in the workplace. We are also very proud to unveil our new line of sleek and sturdy air tools known simply as ONYX. The Astro brand name is backed by our devoted staff with decades of expertise in customer service, repairs, marketing and sales to assure that the end user is satisfied with a product that touts uncompromised quality at a reasonable and fair price.

Category Reference



6....Air Tools



48...Paint & Body



69...Hydraulics



78...Undercar Kits



98..Shop Equipment

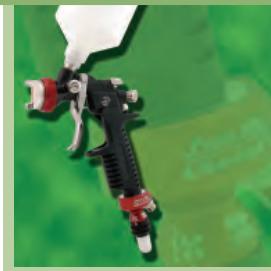
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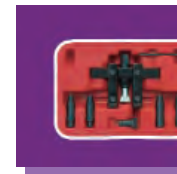
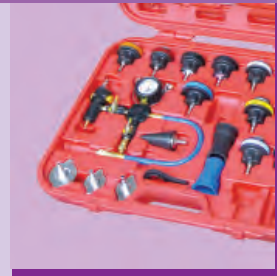
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11111

1/4" Palm Ratchet Wrench



3056

3" Air Composite Polisher Kit

WINDKO

**Air Windshield Remover with 3pc. Blade Set
20,000 oscillations per minute
(Assorted Blades Available Separately)**



1812

1/2" Super Duty Impact Wrench Twin Hammer



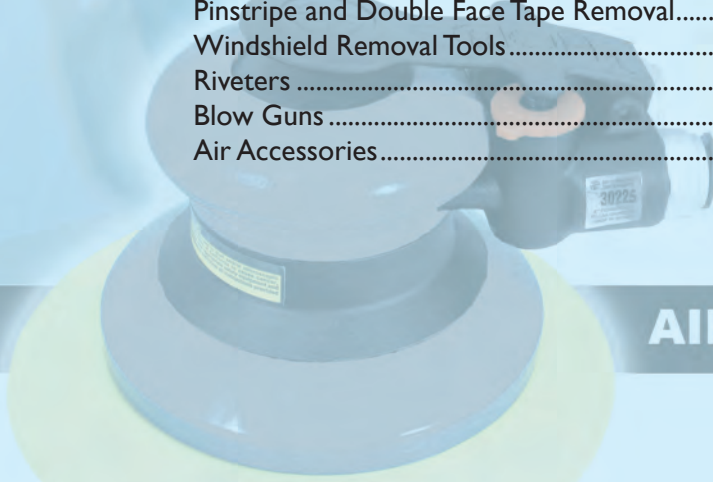


3022S

6" Finishing Palm Sander - 3/16" Stroke

AIR TOOLS



Air Tools Section Reference



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1111



1/4" Palm Ratchet Wrench

- Ultra compact and lightweight
- Ideal tool for confined working areas, such as under dashboard work
- Ergonomic design blue composite body

SPECIFICATIONS

Square Drive:	1/4"
Free Speed:	240rpm
Overall Length:	5-1/2"
Net Weight:	1-1/10lbs.(0.48kg.)
Max. Torque:	16ft./lbs.
Bolt Capacity:	1/4"
Air Inlet Thread:	1/4" NPT
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90psi

1114



1/4" Stubby Air Ratchet Wrench

- Compact and lightweight
- Ideal tool for confined working areas, such as under dashboard work and small engine repair
- Special reinforced planetary gear made of "Micro Grain" powder by gas forging
- Internal ring gear with three planetary gears provides maximum service life
- Self lubricated blade to prevent cylinder and end plates from wear
- Built-in regulator

SPECIFICATIONS

Square Drive:	1/4"
Free Speed:	240rpm
Overall Length:	6-1/2" (165mm)
Net Weight:	1-1/8lbs. (.5kg)
Max. Torque:	30ft./lbs.
Bolt Capacity:	1/4" (6mm)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	3cfm
Air Pressure:	90-120psi

REACTIONLESS

1143



3/8" Reactionless Impact Ratchet Wrench

- Revolutionary Impact Ratchet Wrench with a unique reactionless impact mechanism which absorbs kickback and thereby prevents operator's wrist from fatigue and/or injury
- "Precision Forged" ratchet yoke made of Cr-Mo alloy steel with optimized heat treatment to maintain peak performance and prevent "spreading" which makes other air ratchet lose power
- Tease throttle provides very smooth variable speed control
- Forward/ Reverse selector with safety lock to prevent slipping
- Built-in twin expansion chamber divided by air flow guide fins to reduce exhaust noise
- 360 degree adjustable exhaust directs air away from operator and the work

SPECIFICATIONS

Square Drive:	3/8"
Free Speed:	200rpm
Net Weight:	3lbs.
Length:	11"
Max. Torque:	70ft./lbs.
Std. Bolt Size:	3/8" (6mm)
Air Inlet:	1/4" NPT
Avg. Air Consumption:	3.25 cfm
Air Hose I.D. Size:	3/8" (10mm)
Air Pressure:	90psi

**RATCHETS
3/8" & 1/4"**

1142



3/8" Heavy Duty Ratchet Wrench

- High performance motor delivers 60% higher output torque than standard ratchet
- Stepless variable speed throttle for total user versatility
- Short & robust crankshaft transmits power with low vibration & high efficiency
- "Precision Forged" ratchet yoke made of Cr-Mo alloy steel with optimized heat treatment to maintain peak performance and prevent "Spreading" which makes other air ratchet lose power
- Built-in twin expansion chamber divided by air flow guide fins to reduce exhaust noise
- 360 degree adjustable exhaust directs air away from operator and the work
- "Power forged" P/M planetary gears with nitriding ring gear submit smooth operation coupled with exceptional durability

SPECIFICATIONS

Square Drive:	3/8"
Free Speed:	200rpm
Overall Length:	10.23" (260mm)
Net Weight:	2-1/2lbs. (1.13kg)
Max. Torque:	80ft./lbs.
Bolt Capacity:	3/8" (10mm)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	3.25cfm
Air Pressure:	90psi

1119


**WOBBLE
DRIVE**


3/8" Drive Mini Wobble Air Ratchet

- Ideal for use on hard to reach places.
- Wobble drive provides added flexibility to access hard to reach areas
- Compact and lightweight
- Ideal tool for confined working areas such as under dashboard work
- Ergonomically designed black composite body

SPECIFICATIONS

Square Drive:	3/8" wobble
Free Speed:	240rpm
Overall Length:	5-1/2"
Net Weight:	.94lbs.(0.43kg.)
Max. Torque:	16ft./lbs.
Bolt Capacity:	3/8"
Air Inlet Thread:	1/4" NPT
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90psi

1139



Heavy Duty 3/8" Composite Body Ratchet

- For general automotive and industrial applications
- Ball-type retainer for positive socket retention
- Used for body shop work, radiator removal & replacement, spark plug, air conditioning & water pump replacement
- Ball & needle bearing construction for long service life
- Special reinforced planetary gear made of "Micro Grain" powder by gas forging
- Internal ring gear with three planetary gears provides maximum service life
- Self lubricated blade to prevent cylinder and end plates from wear
- Variable speed throttle

SPECIFICATIONS

Square Drive:	3/8"
Free Speed:	160rpm
Overall Length:	10" (254mm)
Net Weight:	2-3/4lbs. (1.24kg)
Max. Torque:	50ft./lbs.
Bolt Capacity:	3/8" (10mm)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi

1/4" Pistol Grip Impact Wrench - 40ft./lb. Torque (Patent #327,830)

826

- 1/4" anvil is ideal for carburetor use, under dashboard and other tight spots
- Designed for quick fastening applications
- Patent #327,830

SPECIFICATIONS

Square Drive:	1/4"
Free Speed:	10,000rpm
Overall Length:	4-7/8" (124mm)
Net Weight:	1-3/8lbs. (.63kg)
Max. Torque:	40ft./lbs.
Bolt Capacity:	1/4" (6mm)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi



3/8" Snub-nose Impact Wrench - 75ft./lb. Torque

135BT

- Snub-nose design for easy access to tight spots
- Rubber nose guard protects tool and work surface
- Compact and lightweight
- Built-in power regulator
- Positive action trigger to control speed

SPECIFICATIONS

Square Drive:	3/8"
Free Speed:	10,000rpm
Overall Length:	6-3/4" (171mm)
Net Weight:	2-3/8lbs. (1.1kg)
Max. Torque:	75ft./lbs.
Bolt Capacity:	3/8" (10mm)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi



3/8" Butterfly Impact Wrench - 75ft./lb. Torque

136E

- Rubber nose guard protects the tool and work surfaces
- Compact and lightweight
- Butterfly throttle for single handed control of speed and forward/reverse
- Built-in power regulator
- Air inlet swivels 360°
- Ring type socket retainer for secure socket retention
- Low air consumption

SPECIFICATIONS

Square Drive:	3/8"
Free Speed:	10,000rpm
Overall Length:	7" (177mm)
Net Weight:	1-7/8lbs. (.88kg)
Max. Torque:	75ft./lbs.
Bolt Capacity:	3/8" (10mm)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi



1873



3/8" Composite Impact Wrench

- 3/8" impact wrench delivers one of the best power-to-weight ratios in its class
- Composite housing is extremely comfortable, very durable but is one of the lightest and quietest impact wrenches available
- Aluminum hammer case is reinforced with high tensile strength steel
- Bias motor design provides maximum torque output in reverse
- Handle exhaust directs air away from the operator and work area
- Teasing trigger provides smooth variable speed control
- The power management indexing knob on the rear of the impact offers six power settings, three works in the forward positions and three works in the reversing direction

SPECIFICATIONS

Square Drive:	3/8"
Free Speed:	12,500rpm
Overall Length:	6" (228mm)
Net Weight:	2.81lbs. (1.27kg)
Max. Torque:	300ft./lbs.
Bolt Capacity:	3/8" (10mm)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	8cfm
Air Pressure:	90psi
Noise Level:	95dBA

1812
(1/2" Anvil)1812L
(2" Anvil)

1812L 2" Anvil

Super Duty 1/2" Impact Wrench - Twin Hammer

- Durable twin hammer impact mechanism
- Ideal for general automotive work, light truck, farm, body shop, tire shop and front-end work
- Anvil and rotor made of a special heat treated alloyed steel which prevent chipping or breaking
- Steel hammer case provides maximum protection
- Two piece construction for easy maintenance
- Pressure feed lubrication system

SPECIFICATIONS

	1812	1812L
Square Drive:	1/2"	1/2"
Free Speed:	8000rpm	8000rpm
Overall Length:	7-1/8" (180mm)	9-1/8" (231mm)
Net Weight:	5.58lbs. (2.56kg)	5.89lbs. (2.68kg)
Max. Torque:	400ft./lbs.	400ft./lbs.
Bolt Capacity:	5/8"	5/8"
Air Inlet Thread NPT:	1/4"	1/4"
Air Hose I.D. Size:	3/8" (10mm)	3/8" (10mm)
Avg. Air Consumption:	4.00cfm	4.00cfm
Air Pressure:	90psi	90psi
Sound Level:	98.7dB(A)	-
Vibration:	3.6M/S ²	-



101

101 - MINI GREASE GUN

- Heavy duty, lightweight and easy to handle
- Holds 3 ounces of grease
- One hand operation
- Easily lubricates mechanism of air tools with grease type fittings
- Weight: 1lb. (0.45kg)

3/4" Heavy Duty Impact Wrench with 2" Anvil (800 ft lb. Torque)

- Durable twin hammer impact mechanism
- Anvil and rotor made of a special alloyed steel that is heat treated to prevent chipping or breaking
- Steel hammer case provides maximum protection
- Two piece construction for easy maintenance
- Pressure feed lubrication system

SPECIFICATIONS

Square Drive:	3/4"
Free Speed:	4,800rpm
Overall Length:	9.5" (243mm)
Net Weight:	10.6lbs. (4.8kg)
Max. Torque:	800ft./lbs.
Bolt Capacity:	1-1/16" (27mm)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	7.2cfm
Air Pressure:	90psi
Noise Level:	95dBA

157



1835
(2" Anvil)

1835L
(6" Anvil)



1835L 6" Anvil

3/4" Square Drive Super Duty Impact Wrench- Double Hammer

- Excellent power-to-weight ratio
- Anvil and hammer are constructed of Ni-Cr-Mo alloy steel with triple cycle heat treatment designed for long, trouble-free service
- Rigid hammer housing made of hot forged machined steel
- One-piece hammer housing with pilot lip provides maximum alignment from motor to anvil
- Variable power control
- Six-position power management/regulator (3 forward & 3 reverse)
- Refined twin hammer impact mechanism and high speed motor increases energy of each blow while doubling the life

SPECIFICATIONS	1835	1835L
Square Drive:	3/4"	3/4"
Free Speed:	7,250rpm	7,250rpm
Overall Length:	8-1/2" (217mm)	8-1/2" (217mm)
Net Weight:	9.00lbs. (4.08kg)	10lbs. (4.55kg)
Max. Torque:	950ft./lbs.	950ft./lbs.
Bolt Capacity:	1" (25mm)	1" (25mm)
Air Inlet Thread NPT:	1/4"	1/4"
Air Hose I.D. Size:	3/8" (10mm)	3/8" (10mm)
Avg. Air Consumption:	8cfm	8cfm
Air Pressure:	90-120psi	90-120psi
Noise Level:	93.7dBA	93.7dBA

1868
(2" Anvil)

1869
(6" Anvil)



1869 6" Anvil



1" Heavy Duty Air Impact Wrench

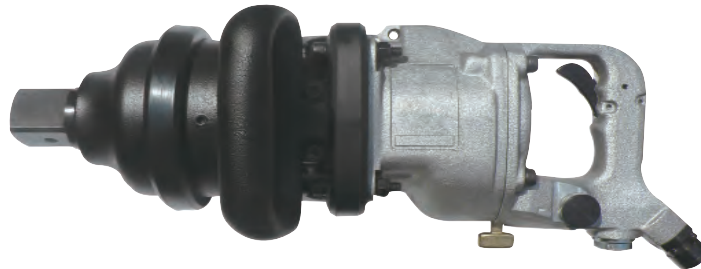
- Ideal for tire work on trucks, buses and off-road farm equipment
- "Pin-less" impact mechanism maximizes striking force with low vibration
- 6" anvil makes tool perfect for the demanding world of truck tire service
- High efficiency 6-vane air motor
- Six-position power management/regulator (3 forward & 3 reverse)
- Air Inlet with 45 degree angle
- Air Exhaust - Upward (away from work)
- Swept-back side handle & protective rubber boot

SPECIFICATIONS

	1868	1869
Working Torque Range:	300-1400 ft/lbs (408-1904 NM)	300-1400 ft/lbs (408-1904 NM)
Max. Torque:	1800ft/lbs (2448NM)	1800ft/lbs (2448NM)
Blow per minute:	750	750
Free Speed:	5000rpm	5000rpm
Recommended Air Pressure:	90psi (6.35kgs)	90psi (6.35kgs)
Air Inlet:	1/2" NPT	1/2" NPT
Min. Hose Size:	1/2" I.D.	1/2" I.D.
Overall Length:	16" (407mm)	20.1" (510mm)
Weight:	24lbs (10.89kgs)	27lbs (12.25kgs)

IMPACTS

1875



1-1/2" Super Duty Air Impact Wrench

- Super Duty Industrial/Construction/Bridge Building/Mining rated tool
- Big and powerful produces 3000 ft. lbs of torque
- Side handle for extra leverage and control
- Built-in four position air regulator controls torque in forward
- Protective bumper guards
- Weighs 33.1 pounds

SPECIFICATIONS

Square Drive:	1-1/2" (38.1mm)
Free Speed:	3,000rpm
Overall Length:	18.7" (475mm)
Net Weight:	33.1lbs. (15kg)
Max. Torque:	3,000ft./lbs.
Bolt Capacity:	2-1/8" (53mm)
Air Inlet:	1/2"
Air Hose Size:	1/2"
Avg. Air Consumption:	14.8cfm
Air Pressure:	90-115psi
Noise Level:	99dBA

3/8" Reversible Air Drill

- Lightweight, compact size
- One hand reverse lever
- Built-in muffler for noise reduction
- Planetary gear system for long life
- Ergonomic rubber handle
- Handle exhaust system

SPECIFICATIONS

Chuck Capacity:	3/8"
Free Speed:	1,800rpm
Overall Length:	7-7/8" (200mm)
Net Weight:	2-1/2lbs. (1.1kg)
Motor:	1/2hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	7cfm
Air Pressure:	90-120psi

525C



1/2" Extra Heavy Duty Reversible Air Drill

- Side handle for greater operator control
- One hand reverse lever
- Positive action trigger for speed control
- Variable speed throttle for ease of starting hole
- Handle exhaust directs air away from work
- Built-in muffler for noise reduction
- Planetary gear system for long life
- Ergonomic rubber handle

SPECIFICATIONS

Chuck Capacity:	1/2"
Free Speed:	500rpm
Overall Length:	9-1/4" (235mm)
Net Weight:	4-1/3lbs. (1.95kg)
Motor:	1/2hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	7cfm
Air Pressure:	90-120psi

527C



3/8" Reversible Angle Head Air Drill

- 90° angle head design
- Compact design for close clearance operation
- 2 gear drive system
- Lightweight for fatigue free handling

SPECIFICATIONS

Chuck Capacity:	3/8"
Free Speed:	1,800rpm at 120psi / 1,600rpm at 90psi
Overall Length:	8-1/4" (210mm)
Net Weight:	2-3/8lbs. (1.07kg)
Motor:	1/2hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	6cfm
Air Pressure:	90-120psi

510AHT



800T**1/4" Straight Type Screwdriver - Internal Clutch**

- Reversible internal adjustable clutch and tension springs included
- Hanger handle
- Lightweight

SPECIFICATIONS

Retainer Capacity:	1/4" Hex
Free Speed:	1,800rpm
Overall Length:	10-1/2" (257mm)
Net Weight:	2-3/4lbs. (1.3kg)
Torque Range:	45-115in./lbs.
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	6cfm
Air Pressure:	90-120psi

810T**1/4" Pistol Grip Screwdriver - Internal Clutch**

- Pistol grip design
- Fully reversible
- Quick change bit retainer
- Internal adjustable clutch and 3 tension springs included

SPECIFICATIONS

Retainer Capacity:	1/4" Hex
Free Speed:	1,800rpm
Overall Length:	8-1/8" (206mm)
Net Weight:	3lbs. (1.36kg)
Torque Range:	45-115in./lbs.
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumpt.:	6cfm
Air Pressure:	90-120psi
Motor:	1/2 hp

810P**1/4" Pistol Grip Screwdriver with Positive Clutch**

- Pistol grip design
- Fully reversible
- Quick change bit retainer

SPECIFICATIONS

Retainer Capacity:	1/4" Hex
Free Speed:	1,800rpm
Overall Length:	8-1/8" (206mm)
Net Weight:	3lbs. (1.36kg)
Torque Range:	45-115in./lbs.
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumpt.:	6cfm
Air Pressure:	90-120psi

ONYX
by **Astro**



219

includes

- 204
- 201
- 2181



3 Pc. Die Grinder Kit with 1/4" 90° Angle Die Grinder , 1/4" Mini Die Grinder and 8pc. Double Cut Carbide Rotary Burr Set

204 - Composite Body 1/4" 90° Angle Die Grinder Front Exhaust - 20,000rpm

- Composite handle reduces vibration
- Rib textured handle provides a firm grip
- Lever throttle for feathering control
- Compact and lightweight
- Front exhaust
- Built-in regulator

201 - Composite Body 1/4" Mini Die Grinder with Safety Lever - 25,000rpm

- Composite handle reduces vibration
- Rib textured handle provides a firm grip
- Lever throttle for feathering control
- Front exhaust
- Built-in regulator

2181- 8pc. Double Cut Carbide Rotary Burr Set
1/4" Shank in Blow Molded Case

- SA-5: Cylindrical shape 1/2" X 1"
- SA-3: Cylindrical shape 3/8" X 3/4"
- SC-3: Cylindrical radius end 3/8" X 3/4"
- SC-1: Cylindrical radius end 1/4" X 5/8"
- SD-1: Ball shape 1/4"
- SD-3: Ball shape 3/8"
- SF-3: Tree shaped radius end 3/8" X 3/4"
- SF-5: Tree shaped radius end 1/2" X 1"

SPECIFICATIONS

	204	201
Collet Size:	1/4"	1/4"
Free Speed:	20,000rpm	25,000rpm
Overall Length:	6-3/4" (171mm)	6-3/4" (171mm)
Net Weight:	1.2lbs. (.54kgs)	13/16lbs. (.37kgs)
Motor:	1/3hp	1/3hp
Air Inlet Thread NPT:	1/4" I.D.	1/4" I.D.
Air Hose I.D. Size:	3/8" (10mm)	3/8" (10mm)
Avg. Air Consumption:	3cfm	3cfm
Air Pressure:	90-120psi	90-120psi

**2 MOST POPULAR
DIE GRINDERS
IN ONE KIT**



222

includes
-204
-202



2 Pc. Die Grinder Kit with 1/4" 90° Angle Die Grinder and 1/4" Medium Die Grinder

- 204 - Composite Body 1/4" 90° Angle Die Grinder Rear Exhaust - 20,000rpm
- 202 - Composite Body 1/4" Medium Die Grinder Rear Exhaust - 22,000rpm
- Composite handle reduces vibration
- Rib textured handle provides a firm grip
- Lever throttle for feathering control
- Compact and lightweight
- Rear exhaust
- Built-in regulator

SPECIFICATIONS	204	202
Collet Size:	1/4"	1/4"
Free Speed:	20,000rpm	22,000rpm
Overall Length:	6-3/4" (171mm)	6-3/4" (171mm)
Net Weight:	1lbs. (.45kgs)	1.4lbs. (.63kgs)
Motor:	1/3hp	1/3hp
Air Inlet Thread NPT:	1/4" I.D.	1/4" I.D.
Air Hose I.D. Size:	3/8" (10mm)	3/8" (10mm)
Avg. Air Consumption:	3cfm	3cfm
Air Pressure:	90-120psi	90-120psi

**DIE GRINDER
KITS**



2181B

includes
- 202
- 2181



2 Pc. Die Grinder Kit with 1/4" Medium Die Grinder and 8pc. Double Cut Carbide Rotary Burr Set

- 202 - Composite Body 1/4" Medium Die Grinder Rear Exhaust - 22,000rpm
- Composite handle reduces vibration
- Rib textured handle provides a firm grip
- Lever throttle for feathering control
- Compact and lightweight
- Front exhaust
- Built-in regulator

- 2181- 8pc. Double Cut Carbide Rotary Burr Set
1/4" Shank in Blow Molded Case
- SA-5: Cylindrical shape 1/2" X 1"
- SA-3: Cylindrical shape 3/8" X 3/4"
- SC-3: Cylindrical radius end 3/8" X 3/4"
- SC-1: Cylindrical radius end 1/4" X 5/8"
- SD-1: Ball shape 1/4"
- SD-3: Ball shape 3/8"
- SF-3: Tree shaped radius end 3/8" X 3/4"
- SF-5: Tree shaped radius end 1/2" X 1"

1220

includes
-1240



Complete Surface Prep Kit with Composite Handle 90° Angle Die Grinder (1240) & Surface Prep Pads

- Ideal for cleaning and polishing engine heads and detail sanding
- Patent #5,332,098
- Weight: 3 lbs.
- Kit Includes:
 - 1 - 1/4" 90° Angle Die Grinder with Composite Handle (#1240)
 - 5 - 2" Surface Prep Pads with Holder
 - 5 - 3" Surface Prep Pads with Holder
 - 1 - Spanner Wrench
 - 1 - 1/8" Collet
 - 10pc. Stone Assortment

PK201

includes
-201
-PK100



Complete Porting Kit w/ Mini Die Grinder

201- Composite Body 1/4" Mini Die Grinder with Safety Lever - 25,000rpm

- Composite handle reduces vibration
- Rib textured handle provides a firm grip
- Lever throttle for feathering control
- Rear exhaust
- Built-in regulator

PK100 - 36pc. Porting Kit

- Kit includes:
 - 5 - 80 grit cartridge rolls - 3/8" x 1" x 1/8"
 - 5 - 80 grit cartridge rolls - 1/2" x 1" x 1/8"
 - 3 - 50 grit cartridge rolls - 3/4" x 1-1/2" x 1/8"
 - 2 - 80 grit cartridge rolls - 3/4" x 1-1/2" x 1/8"
 - 5 - 80 grit cartridge rolls - 1/2" x 1" x 1/8"
 - 2 - 50 grit cartridge rolls - 3/4" x 2" x 1/8"
 - 3 - 80 grit cartridge rolls - 3/4" x 2" x 1/8"
 - 5 - 80 grit cartridge rolls - 3/4" x 2" x 1/8"
 - 1 - Flapwheel
 - 2 - Mandrel
 - 1 - Split mandrel
 - 1 - Stone
 - 1 - Cloth strip

WITH SWIVEL MUFFLER



204



Composite Body 1/4" 90° Angle Die Grinder - 20,000RPM - Rear Exhaust

- Composite handle reduces vibration
- Rib textured handle provides a firm grip
- Lever throttle for feathering control
- Compact and lightweight
- Rear exhaust
- Built-in regulator

SPECIFICATIONS

Collet Size:	1/4"
Free Speed:	20,000rpm
Overall Length:	6-3/4" (171mm)
Net Weight:	1.2lbs. (.54kgs)
Motor:	1/3hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	3cfm
Air Pressure:	90-120psi



202



Composite Body 1/4" Medium Die Grinder - 22,000rpm - Rear Exhaust

- Rear exhaust air flow system directs air away from work surface
- Compact and lightweight
- Built-in regulator
- Safety lever

SPECIFICATIONS

Collet Size:	1/4"
Free Speed:	22,000rpm
Overall Length:	6-3/4" (171mm)
Net Weight:	1.4lbs. (.63kg)
Motor:	1/3hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	3cfm
Air Pressure:	90-120psi

WITH SWIVEL MUFFLER



201



Composite Body 1/4" Die Grinder - 25,000rpm - Rear Exhaust

- Composite handle reduces vibration
- Rib textured handle provides a firm grip
- Lever throttle for feathering control
- Rear exhaust
- Built-in regulator
- Safety lever

SPECIFICATIONS

Collet Size:	1/4"
Free Speed:	25,000rpm
Overall Length:	7" (177mm)
Net Weight:	13/16lbs. (.37kg)
Motor:	1/3hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	3cfm
Air Pressure:	90-120psi

T210

accessory
- 200-283

**JAPANESE
BEARINGS**



200-283

1/4" Medium Die Grinder - Japanese Bearings - 22,000rpm - Rear Exhaust

- Positive grip - 1/4" capacity collet chuck
- Compact and lightweight
- Safety lever
- Lever throttle for feathering control
- Rib textured handle provides a firm grip
- Rear exhaust air flow system directs air away from work surface
- Accessory: #200-283 - 3 Slot 1/4" - 1/8" Collect Reducer

SPECIFICATIONS

Square Drive:	1/4"
Free Speed:	22,000rpm
Overall Length:	6-3/4" (171mm)
Net Weight:	1-1/4lbs. (.6kg)
Motor:	1/2hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi

T20AH

1/4" 90° Angle Die Grinder with - 20,000RPM - Front Exhaust

- Positive grip - 1/4" capacity collet chuck
- Compact and lightweight
- Lever throttle for feathering control
- Front exhaust
- Safety lever

SPECIFICATIONS

Collet Size:	1/4"
Free Speed:	20,000rpm
Overall Length:	5" (127mm)
Net Weight:	13/16lbs. (.31kg)
Motor:	1/3hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	3cfm
Air Pressure:	90-120psi

1261

Composite Body 1/4" 30° Angle Die Grinder - Gearless - 25,000rpm

- Composite handle reduces vibration
- Ergonomic design allows for extended use with little strain on hand and wrist
- Fits comfortably in the palm of your hand
- Rear exhaust
- Brass regulator included

SPECIFICATIONS

Collet Size:	1/4"
Free Speed:	25,000rpm
Overall Length:	6-15/16" (177mm)
Net Weight:	1-1/8lbs. (.57kg)
Motor:	1/3hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	3cfm
Air Pressure:	90-120psi



216



1/4" Extended Shaft Die Grinder w/ Safety Lever Composite Handle - 22,000 rpm

- Extended shaft provides access for hard to reach places
- High speed
- Positive grip body for easy control
- All ball bearing construction for long tool life
- Lever throttle for positive speed control
- Rear exhaust air flow system

SPECIFICATIONS

Collet Size:	1/4"
Free Speed:	22,000rpm
Overall Length:	10" (254mm)
Net Weight:	1.2lbs. (.54kg)
Motor:	1/3hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi



210ES

Industrial Front Exhaust 1/4" Air Die Grinder

- Positive grip - 1/4" capacity collet chuck
- Compact and lightweight
- Lever throttle for feathering control
- Rib textured handle provides firm grip
- Front exhaust

SPECIFICATIONS

Collet Size:	1/4"
Free Speed:	20,000rpm
Overall Length:	5-3/4" (146mm)
Net Weight:	1-1/4lbs. (.57kg)
Motor:	1/3hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	6cfm
Air Pressure:	90-120psi

1/8" Pencil Type Die Grinder - 56,000rpm

- Ideal for tight spots
- Designed for high speed porting and finishing of small parts

SPECIFICATIONS

Collet Size:	1/8"
Free Speed:	56,000rpm
Overall Length:	5-1/4" (133mm)
Bolt Capacity:	1/4lbs. (.11kg)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi
Hose Length:	5ft.



218

DIE GRINDERS

235B



#3059TB01
Tungsten Carbide
Buffing Wheel

Tire Buffer with 2500rpm with Hose, Adapter & Rasp

- For Inner liner Buffering, Reaming and Drilling
- Includes 36 Grit Rasp, Rear Exhaust muffler and Whip Hose
- Low speed buffer with 7/16" hex quick change chuck

SPECIFICATIONS

Horse Power:	1/2hp
Free Speed:	2500rpm
Min. Air Hose Size:	3/8" ID
Avg. Air Consumption:	4cfm
Air Pressure:	90 psi
Weight:	2lbs. (1kg)
Buffing Wheel Arbor Size:	3/8"
Buffing Wheel Diameter:	2-1/2"
Buffing Wheel Width:	5/8"

2181



8pc. Double Cut Carbide Rotary Burr Set 1/4" Shank

- Set Includes:
 - SA-5: Cylindrical shape 1/2" X 1"
 - SA-3: Cylindrical shape 3/8" X 3/4"
 - SC-3: Cylindrical radius end 3/8" X 3/4"
 - SC-1: Cylindrical radius end 1/4" X 5/8"
 - SD-1: Ball shape 1/4"
 - SD-3: Ball shape 3/8"
 - SF-3: Tree shaped radius end 3/8" X 3/4"
 - SF-5: Tree shaped radius end 1/2" X 1"
- Should not exceed maximum 30000rpm
- All above burrs are 1/4" shank, USA standard
- Blow molded case for easy storage and transport

2188

30% MORE
EFFICIENT THAN
DOUBLE CUT
BURRS



8pc Rapid Rotary Burr Set

- Set Includes:
 - SD-1 Ball shape (1/4")
 - SC-3: Cylindrical radius end (3/8" x 3/4")
 - SA-3: Cylindrical shape (3/8" x 3/4")
 - SB-3: Cylindrical end cut (3/8" x 3/4")
 - SF-3: Tree shape radius end (3/8" x 3/4")
 - SG-3: Tree shape pointed end (3/8" x 3/4")
 - SL-3: Taper shape radius end (3/8" x 1-1/16")
 - SM-2: Cone Shape (1/4" x 3/4")
- Combined both coarse and fine teeth in one burr providing rapid removal and smooth finishing
- Burrs feature a unique flute design
- Coarse pitch flutes for rapid material removal, while maintaining a smooth surface finish
- Ideal for use in deburring of material such as copper, bronze, aluminum alloy, etc.
- 30% more efficient than normal double cut rotary burr
- Burrs made of high quality tungsten carbide

Air Belt Sander (20x520mm) with 2 Belts (#80 & #100)

- Increase pulley space for new thicker belts
- Non-slip handle grip
- Variable speed control
- Accessories:
#30351 80 Grit Sanding Belt 10 pc
#30352 100 Grit Sanding Belt 10 pc

SPECIFICATIONS

Belt Size:	20mm x 520mm
Free Speed:	16,000rpm
Overall Length:	16.9" (430mm)
Tool Weight:	3.08lbs. (1.4kg)
Spindle Thread Size:	3/8" x 1.25
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90psi



3035

Air Belt Sander (10 x 330mm) with 3pc Belts (#80, #100 & #120)

- Increase pulley space for new thicker belts
- Simple belt tension lever
- Variable speed control
- Accessories: Astro # BSP80 - Grinding Belt 80
Astro # BSP100 - Grinding Belt 100
Astro # BSP120 - Grinding Belt 120

SPECIFICATIONS

Belt Size:	10mm x 330mm
Free Speed:	16,000rpm
Overall Length:	12.59" (320mm)
Tool Weight:	2.09lbs. (0.95kg)
Spindle Thread Size:	3/8" x 1.25
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90psi



3036



4" Air Angle Grinder with Lever Throttle

- Handles a variety of body shop works, automobile and truck repair
- Used for weld preparation, deburring, blending and smoothing
- Spiral bevel gears in angle head guarantees the best linear accuracy and uniformed teeth shape for smooth and quiet operation
- Ni-Cr-Mo alloy triple heat treated steel spiral bevel extends tool life
- Outstanding side exhaust offers the best motor efficiency
- 360 degree directional exhaust prevents unwanted blow back
- Motor speed controller that virtually eliminates over speed and prevents grinding wheel from shattering

SPECIFICATIONS

Pad Size:	4"
Free Speed:	11,000rpm
Overall Length:	9.25" (235mm)
Net Weight:	4lbs. (1.81kg)
Spindle Thread Size:	3/8" - 24
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	10cfm
Air Pressure:	90-120psi

3006

249

**7" Angle Head Sander - 4,000rpm**

- Low air consumption
- Ideal for both light and heavy applications
- Automatic throttle release
- Ball bearing construction for longer life
- Dead handle and spindle wrench included

SPECIFICATIONS

Pad Size:	7"
Free Speed:	4,000rpm
Overall Length:	13-1/2" (345mm)
Net Weight:	4lbs. (1.8kg)
Spindle Thread Size:	5/8"/M14
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	3.8cfm
Air Pressure:	90psi (6.21 bar)

250

**7" Angle Head Polisher - 2,500rpm**

- Low air consumption
- Automatic throttle release
- Dead handle and spindle wrench included
- Ball bearing construction for longer life

SPECIFICATIONS

Pad Size:	7"
Free Speed:	2,500rpm
Overall Length:	13-1/2" (345mm)
Net Weight:	3.75lbs (1.7kg)
Spindle Thread Size:	5/8"/M14
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	3.6cfm
Air Pressure:	90psi (6.21 bar)

5" High Speed Sander /Grinder

- High speed, vibration-free performance
- Lightweight pistol grip design offers greater control and comfort
- Built-in regulator for positive speed control
- Direct drive motor with handle exhaust
- Includes 3" and 4-1/4" phenolic backing pad and hub wrench

SPECIFICATIONS

Pad Size:	3", 4-1/4"
Free Speed:	18,000rpm
Overall Length:	5-3/4" (146mm)
Net Weight:	2-1/2lbs. (1.1kg)
Spindle Thread Size:	7-16"-20
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi

2225



6" DAQ Random Orbital Sander with Pad - Regular Duty - 9,000rpm

- DAQ - Dual-Action-Quiet Performance
- Used for feather edging, metal preparation & finish work on body filler
- Noise reduction feature and motor insulation provide quiet operation
- Ball bearing balanced construction for vibration-free performance
- Positive speed control regulator

SPECIFICATIONS

Disc Size:	6"
Free Speed:	9,000rpm
Overall Length:	9-1/2" (241mm)
Net Weight:	4-1/4lbs. (1.92kg)
Spindle Thread Size:	5/16"-24
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	5cfm
Air Pressure:	90-120psi

300SP



8" Gear Driven Random Orbital Sander with 8" Pad

- Gear driven for smooth and powerful removal of heavy material and body filler
- Dual action pad motion leaves a clean swirl-free finish
- Ball bearing balanced construction for vibration-free performance

SPECIFICATIONS

Disc Size:	8"
Free Speed:	850rpm
Overall Length:	11"
Net Weight:	4-3/4lbs.
Motor:	1/2hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	5cfm
Air Pressure:	90-120psi

3008



888C**Dual Piston Straight Line Sander**

- Used on plastic fillers at any stage of hardening
- Feathers with ease and smoothness
- Dual piston provides efficient power and prevents stalling
- Two handle design for comfortable operation
- 1" Stroke

SPECIFICATIONS

Pad Size:	2-3/4" x 15-3/4"
Free Speed:	2,400 strokes per min.
Overall Length:	16" (406mm)
Net Weight:	6-1/2lbs. (2.5kg)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	1/4" (6mm)
Avg. Air Consumption:	6cfm
Air Pressure:	90psi

888S**Short Straight Line Sander**

- Used on plastic fillers at any stage of hardening
- Feathers with ease and smoothness
- Single Piston
- Single handle design for smaller and harder to reach spaces
- Fast and efficient performance

SPECIFICATIONS

Pad Size:	2-3/4" x 11"
Free Speed:	3,000 strokes per min.
Overall Length:	12" (304.8mm)
Net Weight:	4-1/4lbs. (1.9kg)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	1/4" (6mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90psi

6" Finishing Palm Sander - 3/16" Stroke

- Sealed Bearings for Extended Life
- 3/16" (5mm) stroke finish
- Super lightweight (1.5lbs.) and compact for minimum operator fatigue
- Built-in speed regulator
- Low noise and vibration design
- Accessories: #4606 - 6" PU Velcro Backing Pad
#4608 - 6" PSA Backing Pad

SPECIFICATIONS

Pad Size:	6"
Free Speed:	10,000rpm
Overall Length:	6" (15.24cm)
Net Weight:	1.5lbs. (.68kg)
Spindle Thread Size:	5/16" x 24
Air Inlet Thread NPT:	1/4" (6mm)
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	5.5cfm
Air Pressure:	90psi



3022S

w/ PSA pad

3022SV

w/ velco pad

accessory

-4606

-4608

DOUBLE SEALED BEARINGS - EXTENDED LIFE



6" Finishing Palm Sander - 3/32" Stroke

- Sealed Bearings for Extended Life
- 3/32" (2.5mm) stroke finish
- Super lightweight (1.5lbs.) and compact for minimum operator fatigue
- Orbital action for final swirl-free finish
- Built-in speed regulator
- Noise reduction design
- Low vibration
- Accessories: #4606 - 6" PU Velcro Backing Pad
#4608 - 6" PSA Backing Pad

SPECIFICATIONS

Pad Size:	6"
Free Speed:	10,000rpm
Overall Length:	7" (17.78cm)
Net Weight:	1.5lbs. (.68kg)
Spindle Thread Size:	5/16" x 24
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	5.5cfm
Air Pressure:	90psi



3025S

w/ PSA pad

3025SV

w/ velco pad

accessory

-4606

-4608

DOUBLE SEALED BEARINGS - EXTENDED LIFE



3-in-1 Lightweight 6" Composite Vacuum Random Orbital Palm Sander with Hose, Bag and Velcro Pad

- 3-in-1 tool designed for Central Vacuum, Self Vacuum and Non-Vacuum
- New muffling system reduces tool's sound level
- Easily replaceable drop-in motor design allows for fast tool maintenance
- Easy operative switch valve design
- Includes hose, dust collection bag and 6" Velcro pad

SPECIFICATIONS

Pad Size:	6"
Free Speed:	12,000rpm
Overall Length:	8" (203mm)
Net Weight:	1-1/2lbs. (.68kg)
Spindle Thread Size:	5/16" x 24
Air Inlet Thread NPT:	1/4" (6mm)
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90psi



3014

accessory

-4507



3057LARGER MORE
POWERFUL
MOTOR

3057A

3" Air Composite Random Orbital Sander Kit

- Tool is ideal for metal surface prep, smoothing welds, removing rust, etc.
- Compact lightweight tool permits sanding in hard to reach areas
- Ergonomically designed pistol grip handle provides extra control of movement and user comfort
- Composite body is durable and helps resist chemicals
- Kit includes:

- 1 - 3" Air Composite Random Orbital Sander (#3057A)
- 1 - 2" Hook & Loop Backing Pad (#20300P)
- 1 - 3" Hook & Loop Backing Pad (#20302P)
- 1 - Spanner Wrench
- 10 - 2" Sanding Disc 320 grit (#2320P Sold Separately 25 per bag)
- 10 - 2" Sanding Disc 400 grit (#2400P Sold Separately 25 per bag)
- 10 - 2" Sanding Disc 600 grit (#2600P Sold Separately 25 per bag)
- 10 - 3" Sanding Disc 320 grit (#3320P Sold Separately 25 per bag)
- 10 - 3" Sanding Disc 400 grit (#3400P Sold Separately 25 per bag)
- 10 - 3" Sanding Disc 600 grit (#3600P Sold Separately 25 per bag)

SPECIFICATIONS for 3057A

Free Speed:	15,000rpm
Tool Weight:	1.45lbs (0.66kgs)
Overall Length:	4.9" (125 mm)
Avg. Air Consumption:	3.5 (cfm)
Recommended Air Pressure:	90 psi (6.3 bar)
Minimum Hose Size:	3/8" in. (10 mm)

3050

3042

Mini Dual Action Sanding & Polishing Kit

- Blow molded case for easy storage and transport
- Kit Includes:

- Pistol Grip Dual Action Sander/Polisher Tool - 13,000rpm - 16,000rpm (#3042),
- 1 - 3" Sanding/Polishing Back-up Pad (#20302P),
- 1 - 1-1/2" Velcro Holder (#20304P)
- 1 - 1-1/2" Sanding Pad (#20305P),
- 1 - 3" Polishing Foam Pad (#20306P),
- 2 - 3" 400 Grit Sanding Disc (#3400P),
- 2 - 3" 600 Grit Sanding Disc (#3600P)
- 2 - 3" 1000 Grit Sanding Disc (#31000P),
- 10 - 1-1/2" 2000 Grit Sanding Disc (#2000P),
- 1 - Spanner Wrench

SPECIFICATIONS for 3042

Tool Weight:	1.32 lbs (0.6 kg)
Overall Length:	5-1/2 ins (140 mm)
Avg. Air Consumption:	5 (cfm) / 140 (l/min)
Recommended Air Pressure:	90 psi (6.3 bar)
Minimum Hose Size:	3/8" in. (10 mm)

LARGER MORE POWERFUL MOTOR

3056

3" Air Composite Polisher Kit

- Compact lightweight tool permits polishing in hard to reach areas
- Ergonomically designed pistol grip handle provides extra control of movement and user comfort
- Composite body is durable and helps resist chemicals
- Kit includes:
 - 1- 3" Air Composite Polisher (#3056A)
 - 1- 3" Hook & Loop Backing Pad (#20302P)
 - 1- 3.5" Foam Compounding Pad – White (#4638)
 - 1- 3.5" Foam Compounding Pad – Yellow (#4635)
 - 1- 3.5" Wool Buffing Pad (#20303P)
 - 1- Spanner Wrench



SPECIFICATIONS for 3056A

Free Speed:	2,100rpm
Tool Weight:	1.7 lbs (0.77kg)
Overall Length:	5.3" (135 mm)
Avg. Air Consumption:	3.5 (cfm)
Recommended Air Pressure:	90 psi (6.3 bar)
Minimum Hose Size:	3/8" in. (10 mm)



3056A

3055

3" Air Polishing Kit

- Blow molded case for easy storage and transport
- Kit Includes:
 - 1 - 3" Mini Polisher - Direct Drive - 2,500rpm (#3043)
 - 1 - 3" Sanding /Polishing Back-up Pad (#20302P)
 - 1 - 3" Wool Buffing Pad (#20303)
 - 1 - 3" Polishing Foam Pad - Yellow (#20306)
 - 1 - 3" Polishing Foam Pad - White (#20306W)



SPECIFICATIONS for 3043

Tool Weight:	1.45lbs (0.66kgs)
Overall Length:	5-1/2 ins (140 mm)
Avg. Air Consumption:	5 (cfm) / 140 (l/min)
Recommended Air Pressure:	90 psi (6.3 bar)
Minimum Hose Size:	3/8" in. (10 mm)



3043

SANDING PADS

PAD TYPE	MODEL	SIZE	NOTE	MATERIAL	SANDER								
					3013	3050	3055	3056	3057	3005P	3022S	3025S	
PSA	4601	6"	HI-CONTOUR	PU	•						•	•	•
	4605	5"		PU	•						•	•	•
	4608	6"		PU	•						•	•	•
	4600	6"	HI-CONTOUR	PU	•						•	•	•
	4607	5"		PU	•						•	•	•
	4606	6"		PU	•						•	•	•
	20300P	2"		PU		•	•	•	•				
	20302P	3"		PU		•	•	•	•				
	20303P	3"		WOOL		•	•	•	•				
	20304P	1-1/2"		PU		•	•	•	•				
VELCRO	4635	3"	Heavy Cut	foam		•	•	•	•				
	4636	3"	Med. Cut	foam		•	•	•	•				
	4638	3"	Soft Cut	foam		•	•	•	•				

SANDING DISCS	MODEL	SIZE	GRIT	QTY/BAG	SANDER								
					3013	3050	3055	3056	3057	3005P	3022S	3025S	
	2000P	1-1/2"	2000 Grit	100		•				•			
	2320P	2"	320 Grit	25						•			
	2400P	2"	400 Grit	25						•			
	2600P	2"	600 Grit	25						•			
	3400P	3"	400 Grit	25		•				•			
	3600P	3"	600 Grit	25		•				•			
	31000P	3"	1000 Grit	25		•				•			
	3320P	3"	320 Grit	25						•			

6" High Contour Pads

4600

(Velcro)

4601

(PSA)



5" PU Backing Pad

4605

(PSA)

4607

(Velcro)



6" PU Backing Pad

4606

(Velcro)

4608

(PSA)



4635

Yellow

Heavy - Cut

3" Foam Pads

4636

Blue

Med. - Cut

4638

White

Soft-Cut



Polishing and Sanding Accessories



Item #	Description	Dia.	Qty
20303P	Wool Buffing Pad	3"	5 per bag
20304P	Holder	1-1/2"	1 per bag
20305P	Sanding Pad	1-1/2"	5 per bag
4638	Polishing Foam Pad	3"	1 per bag
3400P	400 Grit Sanding Disc	3"	25 per bag
3600P	600 Grit Sanding Disc	3"	25 per bag
31000P	1000 Grit Sanding Disc	3"	25 per bag
2000P	2000 Grit Sanding Disc	1-1/2"	100 per bag

Heavy Duty Air Sabre Saw - 9,000 Strokes per Minute with 5pc 24 Teeth per Inch Saw Blades

- Ideal for body shop repair, muffler and exhaust work
- Adjustable blade guide increases blade life
- Cuts all types of aluminum, plastic, fiberglass and sheet metal
- Cuts intricate shapes and tight radius curves on flat and curved surfaces

SPECIFICATIONS

Cutting Capacity:	1.6 mm steel thickness
Strokes Per Minute:	9,000
Overall Length:	9-1/4" (235mm)
Net Weight:	1.76lbs. (.8kg)
Piston Stroke:	1/4"
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi



930

accessory
-5SAW
-5SAWR



5SAW

5SAW - 5pc. BLADE SET FOR 930 - 24 TEETH PER INCH - YELLOW SLEEVE



5SAWR

5SAWR - 5pc. BLADE SET FOR 930 - 32 TEETH PER INCH - RED SLEEVE

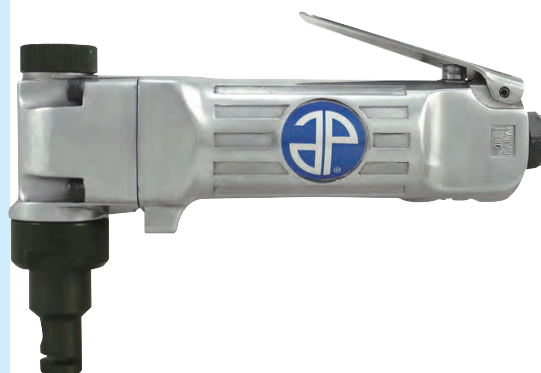
18 Gauge Profile Air Nibbler

- 18 gauge cutting capacity
- Lightweight, compact design provides smooth operation
- Ideal for cutting sheet metal, plastic, and aluminum without deforming the material
- Lever throttle control
- Used by body shops, sheet metal shops, air conditioning fabrication, plastic fabricators, heating contractors, and machine shops

SPECIFICATIONS

Metal Cutting Capacity:	18 gauge
Stroke Per Minute:	2,900spm
Overall Length:	7" (203mm)
Net Weight:	2.2lbs. (1kg)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	7cfm
Air Pressure:	90-120psi

1725A



Cutting Shear

- Perfect tool for straight line cutting
- Ideal for cutting, trimming and shearing tin, plastic, aluminum and other metal up to 18 gauge
- A universal cutter for all applications (sheet metal fabricating, cutting vehicle body panels and other cutting)

SPECIFICATIONS

Metal Cutting Capacity:	18 gauge
Stroke Per Minute:	2,500spm
Overall Length:	8-1/2" (216mm)
Net Weight:	3lbs. (1.4kg)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	7cfm
Air Pressure:	90-120psi

511SH



208**3" Cut-off Tool**

- Positive control and lock-out throttle protection
- Adjustable Rear Exhaust
- Safety throttle lever
- Built-in power regulator
- Direct drive motor
- Graduated trigger
- Metal guard

SPECIFICATIONS

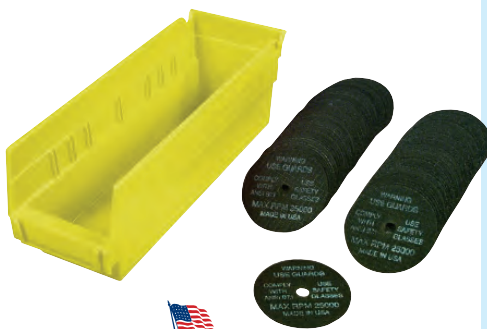
Wheel Size:	3"
Free Speed:	20,000rpm
Overall Length:	7" (180mm)
Net Weight:	1-3/4lbs. (.79kg)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi

209**In-Line 3" Cut-Off Tool**

- Unique In-Line Design Provides Greater Control
- Positive control and lock-out throttle protection
- Adjustable protection guard
- Chrome plated steel spark guard
- Variable speed control

SPECIFICATIONS

Wheel Size:	3"
Free Speed:	15,000rpm
Overall Length:	8-1/4" (210mm)
Net Weight:	2lbs. (.93kg)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi

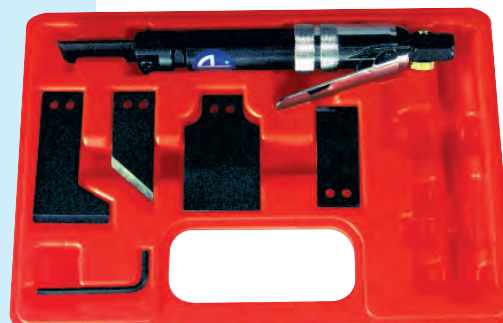
CW3-100**Cut-Off Wheels - 100/pk Made in Plastic Bin - Made in USA**

- 46 Grit, 3" Diameter, 1/16" Thickness
- 3/8" arbor hole fits all brands of pneumatic cut-off tools
- Abrasive wheels are designed for cut-off applications involving angle iron, re-bar, pipe and bar stock
- For use in cutting sheet metal, metal hardware, or fasteners
- Comes in plastic bin, 100 wheels per box
- Weight: 3.86lbs.
- MADE IN THE USA

Air Scraper Kit - Includes 4 Specialty Blades

1750K

- Removes gaskets, paint, rust and other materials
- Removes undercoating, seam sealers, etc.
- Built-in regulator
- Blow molded case for easy storage and transport
- Blades included:
 - #17501 - 1.77" Wide Blade for 1750
 - #17502 - 1.75" L-Shaped Blade for 1750
 - #17503 - 1" Wide 45° Blade for 1750
 - #17504 - 1" Wide Blade for 1750



SPECIFICATIONS

Free Speed:	4,500bpm
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Maximum Air Pressure:	90psi
Stroke:	2" (50.8mm)
Avg. Air Consumption:	3cfm
Sound Level:	93dBA
Vibration:	9 m/s ²
Tool Weight:	2 lbs.
Shipping Weight:	3lbs.

In-Line Needle Scaler

4320

- Ideal for scaling and rust removal
- Includes needle scaler attachment with 12 high tension steel needles



SPECIFICATIONS

Needles:	12pc 3mm x 7"
Stroke Speed:	4200bpm
Net Weight:	2.5lbs/1.14kg
Length:	12.2"/313mm
Air Consumption:	0.12m ³ /min
Air Inlet:	1/4"
Hose Size:	8mm
Sound Pressure:	91 dBA
Vibration:	14.5m/S ²

Needle Scaler/Flux Hammer Combo - 4,400 blows per minute

4350

- Straight type air hammer and needle scaler
- Suitable for cleaning heavy paint and rust scale from metal surfaces
- Smooth palm control trigger mechanism
- Chisels are held firmly in tool with ball lock retainer for quick release and quick change of chisel
- Heat treated barrels and pistons for long tool life



SPECIFICATIONS

Blows Per Minute:	4,400bpm
Piston:	1" x 2" (25mm x 50.5mm)
Net Weight:	6.8lbs. (3.08kg)
Length:	8-1/4" (210mm)
Air Consumption:	10cfm
Air Inlet:	1/4"
Hose Size:	3/8" (8mm)
Sound Pressure:	90.3dBA
Vibration:	14.5m/S ²

4335



General Duty Air Hammer with 4pc Chisels - 190mm

- Handle Exhaust with Deflector
- Variable Speed Trigger
- Variable Speed Control
- Air Regulator

SPECIFICATIONS

Chisel Shank Opening:	.4" (10.2mm)
Bore Diameter:	3/4" (19mm)
Stroke Length:	2-5/16" (58mm)
Blow Per Minute:	3000 BPM
Average Air Consumption:	3 CFM
Net Weight:	4.18lbs (1.9kgs)
Minimum Hose Size:	3/8" (10mm)
Vibration:	3 m/s ²

4336



Heavy Duty Long Barrel Air Hammer with 4pc Chisels - 250mm

- Handle Exhaust with Deflector
- Variable Speed Trigger
- Variable Speed Control
- Air Regulator

SPECIFICATIONS

Chisel Shank Opening:	.4" (10.2mm)
Bore Diameter:	3/4" (19mm)
Stroke Length:	3" (76mm)
Blow Per Minute:	2100 BPM
Average Air Consumption:	3 CFM
Net Weight:	5.07lbs (2.3kgs)
Minimum Hose Size:	3/8" (10mm)
Vibration:	3.9 m/s ²

4330



Super-Duty Shockless 3-3/4" Stroke Long Barrel Air Hammer Set - 290mm

- Unit provides lowest vibration and most powerful hammer among compatible designs
- Composite ergonomic grip handle for the user's comfort
- Impact parts are made of heat-treated alloy steel to ensure tool durability
- Optional Quick Change Retainer for simple accessory changes (QUICK)
- Unit design covered by five different patents

SPECIFICATIONS

Chisel Shank Opening:	10.2mm / 10.4mm
Bore Diameter:	3/4" (19mm)
Stroke Length:	3-3/4" (94mm)
Blow Per Minute:	2100 BPM
Average Air Consumption:	7.1 CFM
Net Weight:	4.1lbs (1.88kgs)
Minimum Hose Size:	3/8" (10mm)
Vibration:	<6.5m/s ²



Optional Quick Change Retainer - #QUICK

Pistol Grip Punch/ Flange Tool

- 5.5mm Punch (605PT)

- 8mm Punch (608PT)

- Punch designed for easy replacement
- Performs hole punching and panel crimping
- Features a rotating head for convenient use
- Every pull of the lever delivers a single punch or a single flange crimp with precision control
- Forms an offset crimped edge on sheet metals for no-bump lap welds
- Lightweight
- Durable construction
- Reduces metal fabrication time in half

SPECIFICATIONS	605PT	608PT
Punch Capacity:	5.5mm (7/32")	8mm (5/16")
Piston Stroke:	5/32" (4mm)	5/32" (4mm)
Overall Length:	7.87" (200mm)	7.87" (200mm)
Net Weight:	2.47lbs. (1.12kg)	2.47lbs. (1.12kg)
Air Inlet Thread NPT:	1/4"	1/4"
Air Hose I.D. Size:	3/8" (10mm)	3/8" (10mm)
Avg. Air Consumption:	4cfm	4cfm
Air Pressure:	90-120psi	90-120psi flat and curved surfaces



605PT

608PT

**PUNCH AND
FLANGE TOOLS**

Straight Type Punch/ Flange Tool

- 5.5mm Punch (608ST)

- 8mm Punch (608ST)

- Blade designed for easy replacement
- Performs hole punching and panel crimping
- Features a rotating head for convenient use
- Every pull of the lever delivers a single punch or a single flange crimp with precision control
- Forms an offset crimped edge on sheet metals for no-bump lap welds
- Lightweight
- Durable construction
- Reduces metal fabrication time in half

SPECIFICATIONS	605PT	608PT
Punch Capacity:	5.5mm (7/32")	8mm (5/16")
Piston Stroke:	5/32" (4mm)	5/32" (4mm)
Overall Length:	9.84" (250mm)	9.84" (250mm)
Net Weight:	2.6lbs. (1.18kg)	2.6lbs. (1.18kg)
Air Inlet Thread NPT:	1/4"	1/4"
Air Hose I.D. Size:	3/8" (10mm)	3/8" (10mm)
Avg. Air Consumption:	4cfm	4cfm
Air Pressure:	90-120psi	90-120psi



605ST

608ST

1756

1757

- accessory
 -1720
 -1721
 -3000
 -3SB10



1720 - 6.5mm Drill Bit
 1721 - 8mm Drill Bit



Air Spot Drill Kit with 5.5" Deep Clamp Kit and 4 Drill Bits

- 2 Speed - Dual action trigger -1st locks trigger/2nd turns the motor
- Adjustable depth stop which allows you to drill out just the spot weld and not the panel beneath
- Drills out the entire spot weld, eliminating the need for grinding
- Lower speed decreases heat and extends drill bit life
- Blow molded case for easy storage and transport
- Kit Includes:
 - 1 - Air Spot Weld Drill
 - 1 - 5.5" Deep Clamp
 - 4 - Drill Bits 2pcs. 6.5mm (#1720) and 2pcs. 8mm (#1721)
 - 1 - End Line Oiler (#3000)
 - 1 - 3 Way Swivel (#3SB10)
 - 1 - Plastic Blow Molded Case

SPECIFICATIONS

	1756	1757
Drill Bit Size	5/16"	5/16"
Chuck Capacity:		
Free Speed:	2,000rpm	500rpm
Overall Length:	8-3/4" (222mm)	8-3/4" (222mm)
Net Weight:	3lbs. (1.4kg)	3lbs. (1.4kg)
Air Inlet Thread NPT:	1/4"	1/4"
Air Hose I.D. Size:	3/8" (10mm)	3/8" (10mm)
Avg. Air Consumption:	4cfm	4cfm
Air Pressure:	90-120psi	90-120psi

1726



3pc Solid Carbide Spot Welding Bits - Set of 3 - 6.5mm, 8mm & 10mm

- Removes spot welds in Boron and other materials
- Set includes 6.5mm, 8mm & 10mm drill bit especially designed for spot weld drilling
- Made of ultra-hard Solid Tungsten Carbide which prevents bit dulling from overheating
- 3 flute design provides extra cutting surface which make cutting faster
- Fast and easy way to remove most common size of spot welds in auto restoration and body repair work
- Bit has center nib to prevent walking



17261 - 6.5mm
17262 - 8mm
17263 - 10mm

Astro Pneumatic  Tool Company

For When Your **HOT WHEELS** Grow Up!

#3059

Headlight Restoration and Metal Polishing Kit

- Headlamp Restoration
- Aluminum and Magnesium Rims & Parts
- Removes Clear Coats From Weathered Wheels
- No Tool / Quick Coupler Connection



Astro Pneumatic  Tool Company

Save Time...LOTS OF TIME

PNEUMATIC DOOR SKINNING TOOL

#DS1000



Featuring

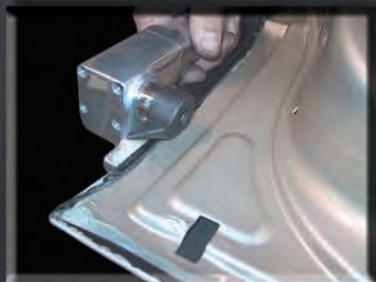
- Forged and hardened steel crimping head specially designed to roll the steel flanges over with a minimum of physical effort leaving the flange smooth without unsightly ripples
- Close tolerance design permits high maneuverability for inner and outer curves as well as most body design features

Benefits technicians through:

- Drastic reduction (an hour or more) in the time required to install a door skin for improved bottom line in a commission or rate environment
- One handed operation allowing free hand to manipulate the work piece
- Variable flange thickness adjustment which allows for accurate disbursement of panel adhesive in the crimped area resulting in a smooth glue bead
- Drastic improvement in the quality of the finished product crimp that typically is indistinguishable from a factory crimp
- Patent #6,578,404



With
Instructional DVD



DS2000

 **Exclusive**



**Door Skin
Removal Tool**

Pneumatic Door Skin Removal Tool

- Patented DS2000 was designed to remove door skins clean and effortlessly
- Strong enough to cut through adhesives and even spot welds
- Saves significant time and cost in skinning doors - faster than any other method
- One hand operation

FEATURES OF THE DS2000

- Precision machined aluminum body components, hardened shafts, and ball bearing construction throughout.
- Forged and hardened steel de-crimping head is specially designed to un-fold the steel flanges of a damaged door skin with a minimum of physical effort.
- The DS2000 is manufactured to be very versatile with provisions to reposition the un-crimping head to various angles based on operator preference.
- A secondary handle which can be installed in either the vertical or horizontal positions adds stability to help keep the tool oriented in the proper position.
- Design allows tool to maneuver around inner and outer curves as well as most body design features.

BENEFITS TO TECHNICIANS:

- Drastic reduction in the time required to remove a door skin. As much as an hour or more can be expected improving your bottom line in a commission or rate environment.
- One handed operation to allow for free hand to manipulate the work piece.
- Long life and maximum durability to provide many years of trouble free service for real world professional use.

Astro Pneumatic Tool Company

OVER 1,000,000 MILES OF DOUBLE-FACE TAPE AND PINSTRIPE REMOVED...AND COUNTING



- Save significant time and cost in the removal of pinstripe and double face tape
- Will not damage paint
- Astro's Smart Eraser® Pad is made in the USA
- Patent #5,624,990, Patent #5,856,396, Patent #5,259,914



#32
Aluminum Body Kit
w/ 12 Smart Eraser® Pads



#232
Composite Body Kit
w/ 12 Smart Eraser® Pads



#400E
Astro's
Smart Eraser® Pad





400E6

(Rubber Sleeve) **232**

(Aluminum Handle) **32**

400E

Accessory:
-400E-AR

400E6



400E

203

#232 Pinstripe Removal Kit



400E

533ET

#32 Pinstripe Removal Kit

PIN STRIPE
REMOVAL SYSTEM

Pinstripe Removal Kit - 4,000rpm

- Specialty tool developed for the removal of pinstripes, adhesives, double faced tapes and moldings with ASTRO'S Smart Eraser® Pads.
- Tool includes built-in regulator
- 4,000 Max. RPM
- Lightweight - reduces operator fatigue
- Spanner wrenches included for easy removal of pad
- **#32 Kits include:**
 - #533ET - 1 Pinstripe Removal Tool - developed for removal of pinstripes, adhesive, double faced tape and moldings
 - 12 Smart Eraser Pads - 4" pads made of molded rubber with 5/16" arbor
- **#232 Kits include:**
 - #203 - 1 Pinstripe Removal Tool - developed for removal of pinstripes, adhesive, double faced tape and moldings
 - 12 Smart Eraser Pads - 4" pads made of molded rubber with 5/16" arbor

400E - SMART ERASER® PAD

- Developed to dramatically reduce time spent on the removal of pinstripes, adhesive and double faced tape
 - Fast and easy
 - Molded rubber with 5/16" arbor for use with the #533ET and the #203
 - Pad size: 4"
 - Made in the USA
- Patent #5,624,990,
Patent #5,856,396,
Patent #5,259,914



400E6 - 6 pack - SMART ERASER®
PAD For Pinstripe Removal Tool -
Made in USA

400E-AR - Arbor for Smart Eraser® Pad

- Arbor for the Smart Eraser Pad



SPECIFICATIONS

Disc Capacity:	4"
Free Speed:	4,000rpm
Overall Length:	7-3/4" (97mm)
Net Weight:	(1-1/4lb. (.56kg)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi

WINDKO



Air Windshield Remover with 3pc. Blade Set - Rear Exhaust (Assorted Blades Available Separately)

- 20,000 oscillations per minute
- Sealant cutter that cuts around bonded and encapsulated glass
- Efficiently cleans and smooths moldings after glass removal
- Teasing throttle and regulator provide easy speed control
- Flexible blade mount can be positioned in 12 different ways (at 30° increments)
- Rear exhaust directs air away from work
- Safety lever
- Blades Included with tool:
 - 1pc. - WINDK-08E - 57mm Bent Blade
 - 1pc. - WINDK-08H - 52mm Bent Curved Blade
 - 1pc. - WINDK-08J - 35mm Flat-Nose Straight Blade
- Assorted Blades available:

SPECIFICATIONS

Free Speed:	20,000rpm
Cutting Distance:	3mm
Net Weight:	2.3lbs. (1.05kg)
Overall Length:	8"(203mm)
Air Consumption:	4cfm
Air Inlet:	1/4"
Air Pressure:	90-120psi



- WINDK08A - 24mm HOOK BLADE
- WINDK08B - 36mm HOOK BLADE
- WINDK08C - 60mm HOOK BLADE
- WINDK08D - 90mm HOOK BLADE
- WINDK08E - 57mm BENT BLADE
- WINDK08F - 90mm BENT BLADE
- WINDK08G - 35mm ROUND-NOSE STRAIGHT BLADE
- WINDK08H - 52mm BENT CURVED BLADE
- WINDK08I - 48mm SCRAPER BLADE
- WINDK08J - 35mm FLAT-NOSE STRAIGHT BLADE
- WINDK08L - 35mm SERRATED STRAIGHT BLADE

1760

Air Windshield Removal/Install Kit

- Sealant cutter that cuts around bonded and encapsulated glass
- Efficiently cleans and smooths moldings after glass removal
- Teasing throttle and regulator for easy speed control
- Flexible blade mount can be positioned in 12 different ways
- Dual suction cups for handling the glass
- Ratchet tie downs to apply pressure during the install

Kit Includes:

- 1 - WINDKO Air Windshield Remover
- 3 - Blades: 1 - WINDK-08E 57m Bent Blade
1 - WINDK-08H 52mm Bent Curved Blade
1 - WINDK-08J 35mm Flat-Nose Straight Blade
- 2 - Double suction cups (#9039)
- 1 - Tie down strap (#7620)

SPECIFICATIONS

Oscillations (cycles) per Minute:	20,000
Stroke Arc:	3°
Overall Length:	8" (203mm)
Net Weight:	3lbs. (1.36kg)
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4cfm
Air Pressure:	90-120psi



WINDSHIELD REMOVAL TOOLS

Deluxe Air Windshield Remover

- Counter balanced for smooth operation and less fatigue to the body
- Longer lasting heavier and thicker blades
- Built-in air regulator
- 12,000 strokes per minute allows you to cut through urethane much faster
- Comes with 4", 6" and 8" blades
- No lubricants needed
- No clean up time necessary
- Safety lever
- Blow molded case for easy storage and transport
- Replacement blades available:

- #17704 - 4" Serrated Blade
- #17705 - 6" Serrated Blade
- #17706 - 8" Serrated Blade



1770

Single Suction Cup - 77lb. Capacity

- 4-5/8" diameter rubber suction cup
- Suction pad for secure grip
- For one person auto glass repair
- Can be used for small dent removal
- Capacity: 77lbs.



9038

PR14



Air Riveter - 3/32", 1/8", 5/32", 3/16" and 1/4" Capacity

- Includes the following nosepieces:
1/4"(6.4mm), 3/16"(4.8mm), 5/32"(4mm),
1/8"(3.2mm), 3/32"(2.4mm)
- Powerful durable, high speed production tool
- Quick release air valve permits cylinder to return quickly for high speed assembly operations: Prevents overloading for long life
- Performs well at any angle
- Gets into hard-to-reach areas
- Provides quick, quiet and comfortable operation preventing user fatigue

SPECIFICATIONS

Rivet Capacity:	1/4"
Overall Length:	10-7/8" (280mm)
Net Weight:	3-1/2lbs. (1.6kg)
Stroke:	15mm
Motor:	1/2hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	2.320 Liter/Stroke
Air Pressure:	90-120psi

PR36

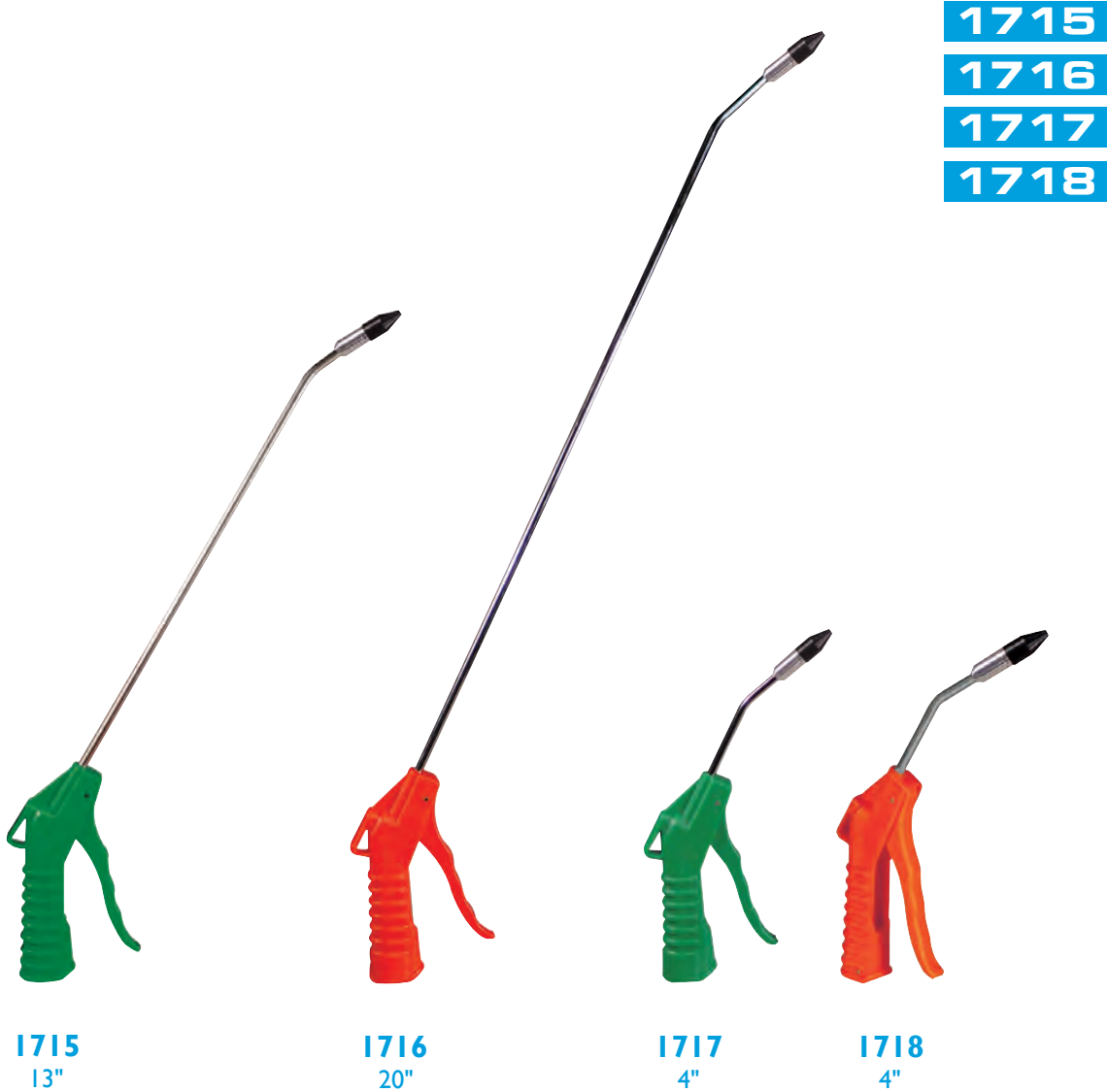


Air Riveter - 3/16" Capacity

- Includes the following nosepieces:
3/16" (4.8mm), 5/32" (4mm), 1/8" (3.2mm), 3/32" (2.4mm)
- Powerful durable, high speed production tool
- Quick release air valve permits cylinder to return quickly for high speed assembly operations: Prevents overloading for long life
- Performs well at any angle
- Gets into hard-to-reach areas
- Provides quick, quiet and comfortable operation preventing user fatigue

SPECIFICATIONS

Rivet Capacity:	3/16"
Overall Length:	10-5/8" (270mm)
Net Weight:	3lbs. (1.41kg)
Stroke:	1/2" (14mm)
Motor:	1/2hp
Air Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	3/8" (10mm)
Avg. Air Consumption:	4 cfm
Air Pressure:	90-120psi



Deluxe Air Blow Gun with Angled Nozzle and 1/2" Removable Rubber Tip

- New and improved valve design makes this blow gun more convenient, faster, and easier to use for all applications
- Comfortable lever control and insulated handle
- Ergonomic grip
- High impact plastic body with built-in hanger slot
- Angled Nozzle easily gets into tight places
- Brass air inlet
- Air Inlet Thread NPT: 1/4"
- Air Pressure: 90-120psi
- Temperature Range: -40° to 80°C

Item #	Description
1715	13" Long Angled Nozzle
1716	20" Long Angled Nozzle
1717	4" Long Angled Nozzle (Green)
1718	4" Long Angled Nozzle (Orange)

2615



3/8" Air Filter/Regulator with Gauge

- Prevents costly damage to air tools caused by rust, scale and moisture
- Convenient minimum installation time into your compressed air system
- Efficiently traps moisture while passing through clean, dry compressed air
- Gauge has rugged polycarbonate case with 2" face
- 1/4" or 3/8" NPT with Max 135psi
- 9-2/5" (L) x 2-2/5" (W)
- Weight: 2.40lbs.

2616



3/8" Filter, Regulator and Lubricator with Gauge

- Prevents costly damage to air tools caused by rust, scale and moisture
- Convenient minimum installation time into your compressed air system
- Provides clean, dry, regulated compressed air over a wide range of airflows with accurate control and fast response
- Efficiently traps moisture while passing through clean, dry compressed air
- Gauge has rugged polycarbonate case with 2" face
- 1/4" or 3/8" NPT with Max 135psi
- 9-2/5" (L) x 2-2/5" (W)
- Weight: 3lbs.

Universal Quick Coupler with Safety Lock, Air Regulator and Pressure Release (Metal Internal Parts)

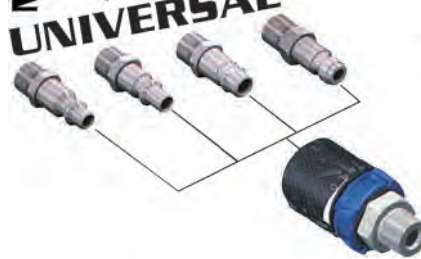
- Universal - fits 95% of the fittings in the automotive industry
- Built in regulator - regulates the flow of air up to 85cfm
- Safety lock - will not release the fitting until you unlock it
- Pressure release valve - releases air pressure at the tool side when you unlock the coupler - no whiplash when disconnecting tools

**METAL
INTERNAL
PARTS**

2640



M style
ARO style
Hi FLOW all caps
T style
UNIVERSAL



3 Way Air Swivel

- 3 way swivel action for tangle-free operations of air hose with all air tools
- Easy to install

SPECIFICATIONS

Capacity:	160psi
Overall Length:	2" (50mm)
Net Weight:	1/4 lb. (.11kg)
Air Inlet NPT:	1/4"
Air Outlet NPT:	1/4"

3SB10



Brass Air Regulator

- Increases or decreases air pressure as desired
- Air Inlet NPT: 1/4"
- Air Outlet NPT: 1/4"

5706



ASMS2

Masking Station
Tree Type



THERMO-TEC

TT103 - TT107

Thermo-Tec Heated High
Pressure System
Spray Gun



557005

500lbs. Capacity Portable
Work Stand with Sling



4535W

Hurri-Clean Pump-less
Spray Gun Washer-Patented

HURRI-CLEAN



PAINT & BODY EQUIPMENT



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AS6S**Touch Up Gun with Cup**

- Ideal for shading and spotting
- Self-centering brass air nozzle with adjustable spray pattern
- Stainless steel needle and fluid tip
- 8 oz. (236cc) aluminum siphon cup
- Accessory: #AS6SCUP - Cup Assembly

SPECIFICATIONS

Nozzle Size:	1.4mm
Operation Pressure:	30-50psi
Net Weight:	1lbs. (.45kg)
Dimensions W x H:	6-1/2" x 9"
Avg. Air Consumption:	4cfm
Air Inlet Thread NPT:	1/4"
Required Compressor:	1hp or above
Max. Pattern at 8" Distance:	4-3/8" (120mm)
Fluid Inlet Thread NPT:	1/4"
Air Hose I.D. Size:	1/4 - 3/8

AS7SP**Spray Gun with Cup - Black Handle**

- All-purpose easy-to-clean paint spray gun
- Two-piece construction with gun featuring exclusive air valve design
- Fully adjustable wide fan pattern control
- 1 quart (946cc) capacity dripless cup

SPECIFICATIONS

Nozzle Size:	1.8mm
Operation Pressure:	50-65psi
Net Weight:	2.3lbs. (1.05kg)
Dimensions W x H:	7" x 12"
Avg. Air Consumption:	7-12cfm
Air Inlet Thread NPT:	1/4"
Required Compressor:	3hp
Max. Pattern at 8" Distance:	11" (280mm)
Fluid Inlet Thread NPT:	3/8"
Air Hose I.D. Size:	1/4 - 3/8

4008A**High Performance Spray Gun 1.8mm Nozzle - Blue with 1000cc Cup**

- All-purpose easy-to-clean paint spray gun
- Stainless steel needle and fluid tip
- Fully adjustable wide fan pattern control
- 1000cc (33.3 oz.) capacity dripless cup

Also Sold Separately:
CUPS1 - Replacement Cup

SPECIFICATIONS

Nozzle Size:	1.8mm
Operation Pressure:	50psi
Net Weight:	1-1/3lbs (0.61kgs)
Avg. Air Consumption:	7-12cfm
Air Inlet Thread NPT:	1/4NPT
Max. Pattern at 8" Distance:	7" (180mm)
Fluid Inlet Thread:	3/8
Fluid Delivery:	160-240 ML/MIN

EUROHE103

EUROHE105

EUROHE107

EUROHE109

(1.3mm Nozzle Size) (1.5mm Nozzle Size) (1.7mm Nozzle Size) (1.9mm Nozzle Size)

EuroPro High Efficiency/High Transfer Spray Gun with Plastic Cup

HIGH EFFICIENCY

- Exceeds transfer efficiency requirements with Superior atomization : Delivers 75% transfer efficiency
- Larger Pattern for great coverage, optimal overlapping and improved quality of the finish
- 33% faster application of paint
- Internal coated passages
- Stainless steel needle and fluid tip
- Lightweight: 272 grams

QUICK THREAD TECHNOLOGY

- 1 Turn to lock/unlock the air cap
- 3 Turns to lock/unlock the fluid tip
- Wide threads for easy cleaning
- Compatible with most traditional and disposable cup systems

DURABLE & LIGHTWEIGHT

- Forged body provides longer tool life

SPECIFICATIONS

Nozzle Size:	1.3mm, 1.5mm, 1.7mm, 1.9mm
Cup Capacity:	600ml
Operation Pressure:	29psi
Weight:	.6lbs. (272g)
Gun Dimensions W x H:	7" x 5-3/4"
Avg. Air Consumption:	10.5 - 12.5cfm
Air Inlet Thread NPT:	1/4"
Required Compressor:	3 - 5hp
Max. Pattern at 8" Distance:	11" - 13" (280-330mm)
Air Cap Output:	10psi
Air Hose I.D. Size:	6-8mm



SPRAY GUNS

EUROHV103

EUROHV105

EUROHV107

EUROHV109

(1.3mm Nozzle Size) (1.5mm Nozzle Size) (1.7mm Nozzle Size) (1.9mm Nozzle Size)

EuroPro Forged HVLP Spray Gun with Plastic Cup

DURABLE & LIGHTWEIGHT

- Exceeds transfer efficiency requirements with Superior atomization : Delivers 86% transfer efficiency
- Forged body provides more consistent air pressure
- Internal coated passages
- Stainless steel needle and fluid tip
- Lightweight: 272 grams

QUICK THREAD TECHNOLOGY

- 1 Turn to lock/unlock the air cap
- 3 Turns to lock/unlock the fluid tip

SPECIFICATIONS

Nozzle Size:	1.3mm, 1.5mm, 1.7mm, 1.9mm
Cup Capacity:	600ml
Operation Pressure:	29psi
Weight:	.7lbs. (325g)
Gun Dimensions W x H:	7" x 5-3/4"
Avg. Air Consumption:	9 - 10cfm
Air Inlet Thread NPT:	1/4"
Required Compressor:	2 - 5hp
Max. Pattern at 8" Distance:	9" - 10-1/4" (230-260mm)
Air Cap Output:	10psi
Air Hose I.D. Size:	6-8mm



EUROHVT8

(0.8mm Nozzle Size)

EUROHVT1

(1.0mm Nozzle Size)

EUROHVT12

(1.2mm Nozzle Size)

WATERBORNE
H₂OStar
by
AstroMEETS
ENVIRONMENTAL
STANDARDS**EuroPro Forged HVLP Touch Up Gun
with Plastic Cup**

Works with disposable cups systems

DURABLE & LIGHTWEIGHT

- Forged body provides longer tool life
- Anodized body for corrosion protection
- Internal coated passages
- Stainless steel needle and fluid tip
- Lightweight: 285 grams (0.6 Lbs)

HIGH EFFICIENCY

- **75% Transfer Efficiency**
- Unique pattern designed for great coverage, optimal overlapping
- Low overspray (bounce back)
- Superior atomization
- Innovative, advanced HVLP technology

SPECIFICATIONS

Nozzle Size:	0.8mm, 1.0mm, 1.2mm
Cup Capacity:	250ml
Operation Pressure:	30-70psi
Weight:	.6lbs (272g)
Dimensions W x H:	6" x 13-1/2"
Avg. Air Consumption:	6-12cfm
Air Inlet Thread NPT:	1/4"
Required Compressor:	3hp
Max. Pattern at 8" Distance:	8-1/4" (210mm)

WORKS WITH
WATERBORNE OR
SOLVENT BASED
PAINT**EVO4014**

(1.4mm Nozzle)

EVO4018

(1.8mm Nozzle)

WATERBORNE
H₂OWORKS WITH
WATERBORNE
OR SOLVENT
BASED PAINTStar
by
AstroMEETS
ENVIRONMENTAL
STANDARDS**LVLP Gravity Feed Spray Gun**

- This gun's patented cap nozzle design and use of lower volume of air finely atomizes paint creating a smooth finish with minimum overspray
- Lower cfm consumption
- Stainless steel needle and fluid tip makes it suitable for water base products
- NO GASKETS - manufactured with high tolerance CNC machined parts
- Decreased overspray creates cost savings up to 20-30%
- Chrome with anodized air cap
- Tulip Pattern

SPECIFICATIONS

Cup Capacity:	600ml
Nozzle Size:	1.4mm, 1.8mm
Operation Pressure:	25psi
Net Weight:	1.26lbs. (426g)
Dimensions W x H:	9.2-9.8cfm
Avg. Air Consumption:	1/4"
Air Inlet Thread NPT:	3hp
Required Compressor:	8.7"-9" (220mm-280mm)
Max. Pattern at 8" Distance:	3/8"
Air Hose I.D. Size:	10psi

Astro Pneumatic Tool Company

THERMO-TEC

WATERBORNE
H₂O

TT103

Thermo-Tec Heated

HPS (High Pressure System)

Spray Gun with 1.3mm Nozzle

Great for Waterborne Base

TT107

Thermo-Tec Heated


HPS (High Pressure System)

Spray Gun with 1.7mm Nozzle

Great for Waterborne Primers

- The temperature adjustment helps paint application, improving product flow and giving a brighter finish (Heats up to 140°F)
- Provides an advantage in drying time, especially in humid environments
- Heating System saves shops from having to heat up the entire booth to do a spot job
- Will lay waterborne base colors and dry them like very few guns can
- Unit allows for a perfect flow with a paint savings up to 10-15%
- No orange peel effect
- 30% reduction in the desiccation time
- Strict Testing and inspection given to each gun ensures a professional high-level service
- Recommended for water based primers, base paints and single stage colors
- Suitable for Clears with a low Volatile Organic Compound (VOC) content



Regulate the heating system to the maximum temperature position (40°C) indicated by the symbol 

SPECIFICATIONS

Cup Capacity:	600ml
Nozzle Size:	1.3mm, 1.7mm
Work Pressure:	5 to 8 bar (72.5 to 116 psi)
Net Weight:	1.1lbs. (512g)
Dimensions W x H:	220 x 180mm
Max working pressure:	8 bar (116 psi)

**MEETS
ENVIRONMENTAL
STANDARDS**

HT104

(1.4mm Nozzle)

HT108

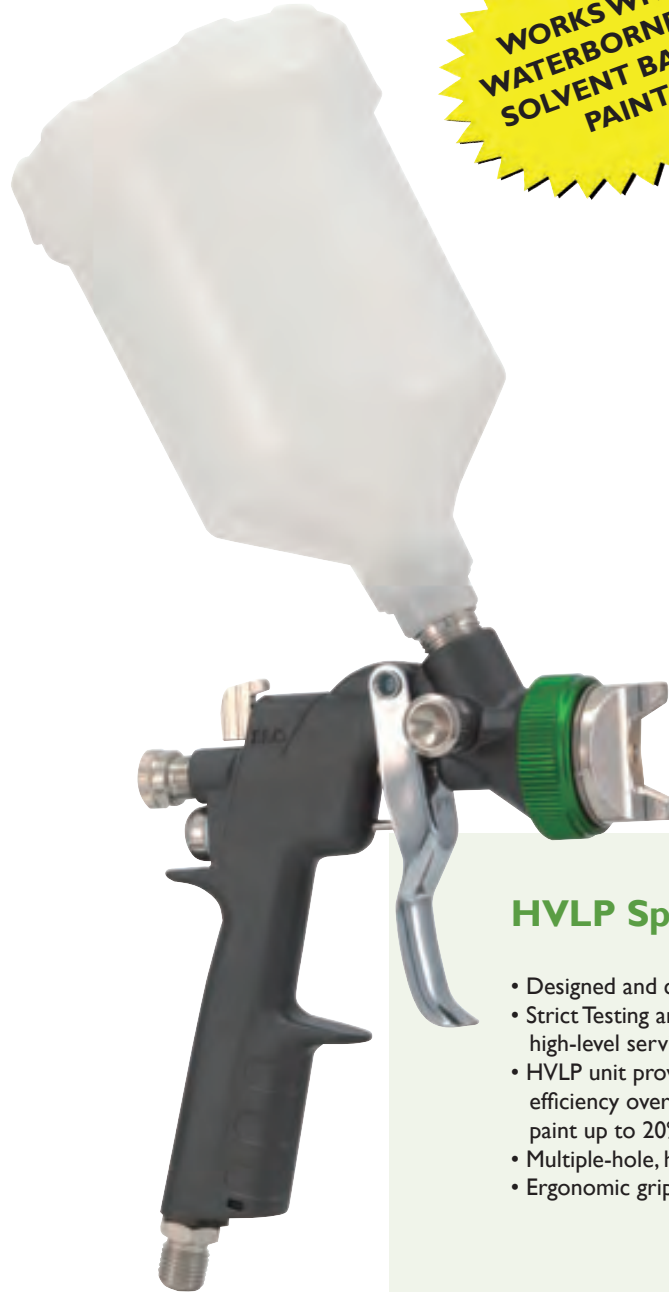
(1.8mm Nozzle)

WORKS WITH
WATERBORNE OR
SOLVENT BASED
PAINT

WATERBORNE
H₂O

MEETS
ENVIRONMENTAL
STANDARDS

HVLP SPRAY
GUNS



HVLP Spray Gun

- Designed and constructed for professional users
- Strict Testing and inspection given to each gun ensures high-level service
- HVLP unit provides perfect flow with a transfer efficiency over 65% and a saving in fumes and paint up to 20% compared to traditional models
- Multiple-hole, high atomization cap.
- Ergonomic grip

SPECIFICATIONS

Cup Capacity:	600ml
Nozzle Size:	1.4mm, 1.8mm
Work Pressure:	2 to 2.6 bar (29 to 37.7 psi)
Net Weight:	.8lbs. (390g)
Dimensions W x H:	170 x 150mm
Max working pressure:	4 bar (58 psi)

2 Quart Pressure Pot Kit

- Pressure spray gun with 2 quart (1893cc) pot
- Equipped with pressure gauge and fluid pressure regulator for accurate settings
- 6 foot twin set of hose permits easy movement and operation of spray gun
- Excellent for spraying large areas such as buses, trucks and vans
- Accessories:
#2P67PT - Cup Assembly
#2P67A6 - Hose Assembly

SPECIFICATIONS	2PG7S	2PG8S
Nozzle Size:	1.2mm	1.7mm
Working Air Pressure:	0-60psi	0-60psi
Ideal Air Pressure:	0-20psi	0-20psi
Enamels:	10psi	10psi
Lacquers:	5psi	5psi
Net Weight:	4.41 lbs. (2kg)	4.41 lbs. (2kg)
Dimensions W x H:	5" x 17"	5" x 17"
Avg. Air Consumption:	7cfm	7cfm
Air Inlet Thread NPT:	1/4"	1/4"
Fluid Inlet Thread NPT:	3/8"	3/8"
Required Compressor:	3hp	3hp



2PG7S
(1.2mm Nozzle Size)

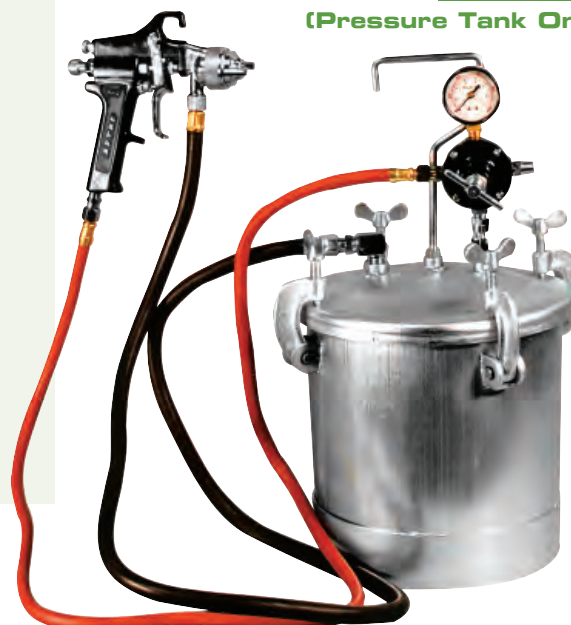
2PG8S
(1.7mm Nozzle Size)

SPRAY GUNS &
REMOTE SYSTEMS

2-1/4 Gallon Pressure Tank Assembly

- Sturdy construction and compact design makes this 2-1/4 gallon (8517cc) pressure tank the ideal choice for both amateur and professional
- Pressure spray gun equipped with pressure gauge and fluid pressure regulator for accurate settings
- 12 ft. twin set of hose permits easy movement and operation of spray gun
- Excellent for spraying large areas such as buses, trucks or vans
- Accessory:
#MBL3812 - Hose Assembly

SPECIFICATIONS	PT2-4GH	PT2-4
Nozzle Size:	1.0mm	n/a
Operation Pressure:	60psi	60psi
Net Weight:	23-1/8lbs. (10.48kg)	18-1/4lbs. (8.28kg)
Dimensions W x D:	10" x 9-3/4"	10" x 9-3/4"
Required Compressor:	3hp	3hp
Avg. Air Consumption:	7cfm	7cfm
Air Inlet Thread NPT:	1/4"	1/4"



PT2-4GH
(with Assembly)

PT2-4
(Pressure Tank Only)

SPRAY GUN CUP CHART

SPRAY GUN TYPE		SIPHON FEED			GRAVITY FEED						
		AS6S	AS7SP	4008A	EUROHE	EUROHV	EUROVT	EVO	TT	HT	
CUP	SIZE	SPRAY GUN									
METAL	EUROAL6CUP	600ML				•	•	•			
	354006	600ML				w/4040	w/4040		•	•	•
	AS6SCUP	8OZ	•								
	CUPS1	1 QT		•	•						
	EUROALCUP	1L				•	•				
	PCU3501S	1L				w/4040	w/4040		•	•	•
PLASTIC	EUROHVT1CUP	250ML				•	•	•			
	EUROCUP	600ML				•	•	•			
	GF14C	600ML				w/4040	w/4040	w/4040	•	•	•

REPLACEMENT CUPS

354006

Aluminum Gravity Feed Cup
600ml Capacity



EUROCUP

Plastic Gravity Feed Cup
600ml Capacity



AS6SCUP

Aluminum Siphon Feed Cup
8oz. Capacity



EUROHVT1CUP

Plastic Gravity Feed Cup
250ml Capacity



CUPS1

Aluminum Siphon Feed Cup
1qt. Capacity



GF14C

Plastic Gravity Feed Cup
600ml Capacity



PCU3501S

Aluminum Gravity Feed Cup
1L Capacity - female thread



37401

Universal Gravity Feed Filters

4 packages of 3 - Total of 12 filters

EUROFILTER

Universal Gravity Feed Filters for EURO Spray Guns

4 packages of 3 - Total of 12 filters



4040

Cup Adapter



2pc. Gravity Feed Spray Gun with Removable Strainer Holder

- 2pc. gravity feed gun holder works great with all gravity feed guns
- Top strainer holder may be removed for additional clearance
- Strainer holder swivels away from cup
- Wall or bench mountable
- Fits all gravity feed guns



GFH1000

SPRAY GUN
ACCESSORIES

Spray Gun Cleaning Kit

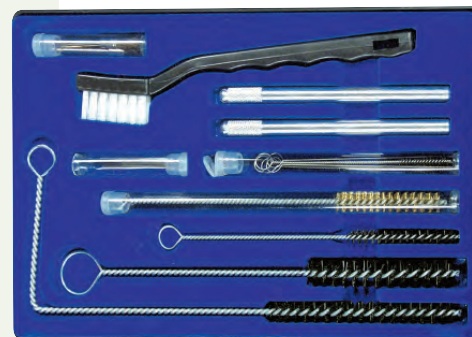
- Designed to keep your spray guns clean and in good working condition
- Use with any thinners or solvents
- Helps clean away paint residual and sludge
- Specially designed for use with HVLP system
- Kit Includes:
 - 1 - Body Cleaning Brush with wooden handle
 - 1 - External Brush with twisted metal wire handle
 - 3 - Fluid Tube Brushes with twisted metal wire handles
 - 1 - Straight Line Wire
 - 5 - Picks
 - 1 - Jar of Gun Lubricant



9013

Master Spray Gun Cleaning Kit

- Cleans fluid tip, air cap, air passage and exterior of the spray gun
- Kit Includes:
 - 6 - Precision Needle Set
 - 1 - Handle for Precision Needle
 - 1 - Handle for Detail Brush
 - 3 - Detail End Brush Set (1/4", 3/8" & 1/2")
 - 1 - 12" Pick-up Tube Brush
 - 5 - Precision Mini Twisted Brush
 - 1 - Nylon Bristle Parts Brush
 - 1 - Brass Power Pick-up Tube Brush
 - 1 - 1/4" HVLP Brush
 - 1 - 1/2" Body Cavity Brush



4544

4535W

WORKS WITH
WATERBORNE OR
SOLVENT BASED
SPRAY GUNS



Hurri-Clean Pump-less Waterborne & Solvent Based Paint Spray Gun Washer - Patented

- Designed for use with waterborne or solvent based paints spray guns
- Patented pump-less unit eliminates major problem of other units
- 2.5 gallons (10 liter) cleaning fluid tank
- Takes less than a minute to clean a complete set of painting equipment inside & out
- Has a 1 gun & 1 cup capacity
- Less hazardous waste to dispose of
- Used cleaning fluid easily disposed via drain valve
- Enclosed container operation minimizes painters' exposure to cleaning fluid
- Pre-assembled and ready to use
- Auto shut-off lid switch and timer
- Low air consumption
- CE Approved
- Shipping Weight: 46lbs.

NO
PUMP

WATERBORNE
HO

SPRAY GUN WASHER
& SHAKER

4550



Air Operated Paint Shaker

- Heavy duty construction
- Compact design
- Rubber coated clamps will accommodate pints, quarts, and gallons
- Quieter and faster operation
- Includes oiler
- Stand accessory available

SPECIFICATIONS

Capacity:	8.45Pint (1.06 Gallon)
Air Consumption:	1.35cfm
Air Inlet:	1/4" NPT
Speed:	1400 Cycles/Min.
Operating Pressure Ranges:	90 to 120 PSI at Inlet
Shaking Time:	1.5 Min.
Shaking Distance:	85~90mm
Shipping Weight:	21.4lbs.

Air Control Unit - 120cfm Capacity

- Filter and regulator in one
- Easy to install for light to medium industrial and automotive applications
- Removes water, oil and contaminants (down to 5µm) from compressed air, and provides constant air supply
- Improves performance and useful life of air-tools
- Easy reusable/replaceable in-line filter
- Strong Aluminum housing for extensive use
- Drain valve empties filters without disassembling the unit.

SPECIFICATIONS

Air Inlet/Outlet:	1/2" NPT
Filtration Degree:	5µm
Regulator Capacity:	50cfm
Filter Capacity:	120cfm

2618



Air Regulator with Gauge

- Provides fine air control for spray guns and air tools
- Swivel top allows for easy installation
- Fits any spray gun or air tool
- Air Inlet NPT: 1/4"
- Air Outlet NPT: 1/4"

WS11



Air Brass Regulator

- Increases or decreases air pressure as desired
- Air Inlet NPT: 1/4"
- Air Outlet NPT: 1/4"

5706



Clear Water Separator

- Unique bronze filter separates water from air at gun
- Traps moisture that passes through conventional filters
- Eliminates costly water spots
- See-through high grade plastic housing
- Air Inlet NPT: 1/4"
- Air Outlet NPT: 1/4"

CWS1



MM18**18" Masking Machine**

- Includes bars for two (2) paper rolls and four (4) tape rolls
- Large adjustable washers maintain paper alignment
- Wing nuts for easier paper loading
- Sharp, anodized blade for smooth cutting
- Large storage tray on bottom for tools
- Sandpaper tray on side and bar for holding spray gun
- Weight: 29 lbs.

ASMS2**Masking Station - Tree Type**

- Holds 4 paper rolls up to 18" and 4 tape rolls
- Nonskid rubber wheels easily moves masking station to job
- Wide base design prevents toppling as paper is dispensed
- Double Welded durable lightweight steel frame
- Easy loading for paper rolls and tape
- One hand operation
- Weight: 27 lbs.
- Patent #325,919

4577**Mobile Step Masking Machine**

- Lightweight, easy to use and portable
- Dispenses rolls up to 18" in width
- Sharp, anodized blade for smooth cutting
- Unit can be used as a step stool or a seat
- Weight: 13lb. (6kg)

Universal Super Stand

- Accommodates any panel, fender, door, hood, or bumper which makes repairs and refinishing easy
- Includes 8 adjustable bars to fit almost any panel securely
- Portability allows for fast and easy moving of the part from the prep station to the spray booth
- Single handed rotation of panels 350 degrees in 16 degree increments
- Weight capacity: 200lbs
- Weight: 52lbs.



7300

Portable Work Stand

- Lightweight work bench with heavy duty 500lbs. capacity
- 1" Steel tubing construction with 1/2" foam padded top
- Great for working on doors, fenders, hoods and bumpers.
- Adjustable height of 33" to 40" tall
- Weight: 16lbs. (7.2kg)

557005

- Sling easily attaches with Velcro
- Ideal for holding tools and parts during assembly or repair
- Rubber leg caps



557005

(Sling)

557003

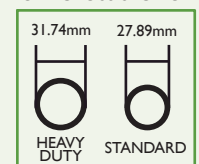
(No Sling)

Extendable Portable Work Stand

- Extendable work bench with heavy duty 500lb capacity
- 1-1/4" Steel tubing construction with 5/8" foam padded top
- Great for working on doors, fenders, hoods and bumpers.
- Adjustable height of 25" to 41" tall
- Stand Dimensions in Adjustable Operating Position:
Maximum: 14" depth x 41" high x 40" wide
Minimum: 32" depth x 25" high x 40" wide
- Weight: 16lbs. (7.25kg)



TUBE CROSS SECTION



557010

UCG100**Air Under Coating Gun**

- Applies undercoat, gravel guard or sprayable bed liners
- Applies a top quality finish undercoat to vehicles to fight rust and stone chips
- Applies all popular brands of undercoat of any viscosity
- Quick disassembly for faster cleanups
- Solid aluminum construction

SPECIFICATIONS

Air Inlet Thread NPT:	1/4"
Avg. Air Consumption:	6-12cfm
Air Pressure:	40psi
Net Weight:	1.65lbs

4538**Economy Air Undercoat Gun**

- Applies a top quality undercoat to vehicles to fight rust and stone chips
- Applies all popular brands of undercoat of any viscosity
- Quick disassembly for faster cleanup
- Aluminum body
- Weight: 0.65lbs
- Dip tube length: 7-1/4"

4531**Deluxe Caulking Gun**

- Dispenses caulking, adhesive and sealant from a standard cartridge or bag
- Thrust ratio: 12:1
- Includes one plastic nozzle for use with bag
- Weight: 2.15lbs.
- Aluminum body

405**Air Caulking Gun**

- Permits smooth flow caulking
- Dispenses caulking, adhesives and sealants from standard cartridges or sausage packs

SPECIFICATIONS

I.D. Size (Tube):	2"
Tube Length:	8-1/4"
Air Pressure:	40-90psi
Net Weight:	2.8lbs.
Air Inlet:	1/4npt

12" Bamboo Paint Paddles

- 1,000 pieces per case
- Stronger than wood and resin free
- Kilned dried
- Case Weight: 26lbs.



4586

Long Narrow Nylon Mesh Paint Strainer - Fine

- Filters imperfections in paints & varnishes
- 190 Microns
- 1000 pieces per case (250 per sleeve)
- Full flow tip
- Case Weight: 13lbs.



4583F

(Fine)

Painters Reusable Coverall

- Nylon lint-free front
- Cotton breathable back
- Washable and Reusable
- Full zipper front, velcro sleeve fasteners, full hood, elastic waist and rear pocket
- #4561 Case Weight (40pc./case): 31.7lbs.
- #4562 Case Weight (40pc./case): 34.5bs..



4561

(Large)

4562

(X-large)

BACK

FRONT

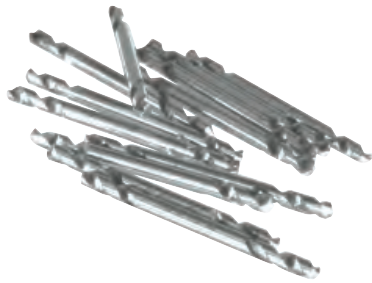
9004



Canvas Wheel Masker Set

- 4 pieces per set
- Ideal for protecting wheels and tires from overspray
- Set of 4 per package
- Up to 15" capacity
- Weight: 2.55lbs.

9012



1/8" Stubby Double Ended Drill Bits

- 135 degree split point
- Sturdy double end allows twice the usage
- Ideal for auto body work
- Packaged in convenient see-through pouch of 12 pieces

9036



3/16" Stubby Double Ended Drill Bits

- 135 degree split point
- Sturdy double end allows twice the usage
- Ideal for auto body work
- Made of HSS (High Speed Steel)
- Packaged in convenient see-through pouch of 12pc

5pc. Fastener & Molding Remover Set

4505

- Set includes 5 distinctive tools for easy removal of fastener, molding, wheel hubs, etc.
- For use on internal and external vehicle molding and trim fasteners
- Plastic construction of tools prevents scratching and damage to vehicle paint, leather, chrome, etc.



PAINTING
ACCESSORIES

11pc. Auto Fastener & Molding Removal Tool Set

4524

- Set includes 11 distinctive tools for easy removal of fastener, molding, wheel hubs, etc.
- For use on internal and external vehicle molding and trim fasteners
- Plastic construction of tools prevents scratching and damage to vehicle paint, leather, chrome, etc.
- Great for plastic panel repairs



4650
(PSA)**4651**
(Velcro)**5" x 2-3/4" Hand Sanding Block**

- Molded Rectangle Soft Hand Pad
- Ergonomically designed
- Soft foam material for comfortable grip
- For use with 2-3/4" x 5" (70x125mm) abrasive

4654
(Velcro)**5-1/2" x 2-1/2" Velcro Hand Sanding Block**

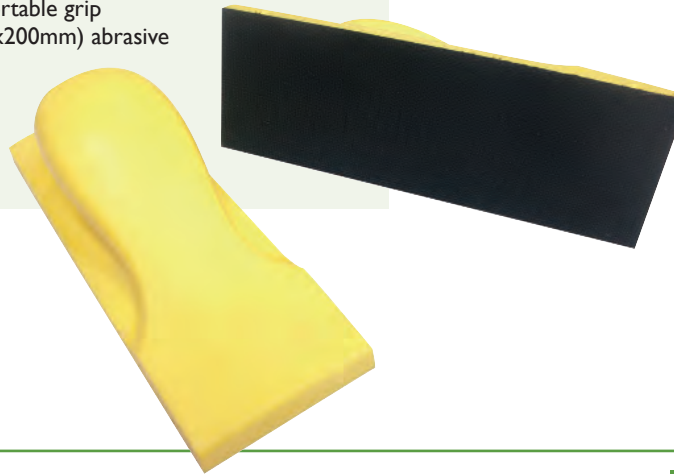
- Molded Rectangle Hand Pad
- Ergonomic design
- Velcro face
- Soft foam material for comfortable grip
- For use with 2.5" x 5.5" (70x140mm) Velcro abrasive

4655
(Velcro)**6" Velcro Hand Sanding Block for Round Discs**

- Molded Rectangle Hand Pad
- Ergonomic design
- Velcro face
- Soft foam material for comfortable hold grip
- For use with 6" (150mm) Velcro abrasive disc

8" x 2-3/4" Hand Sanding Block

- Molded Rectangle Hand Pad for flat sanding
- Ergonomic design
- Soft foam material for comfortable grip
- For use with 2-3/4" x 8" (70x200mm) abrasive



4652
(PSA)

4653
(Velcro)

Rubber Sanding Block

- Specially designed holding slot grips sandpaper firmly to reduce slipping and tearing
- Easy-to-hold, soft, sanding block body material stays comfortable in the hand
- Uses a 1/4 sheet of sand paper
- #ARSB5 is 5" x 2-3/4"
- #ARSB9 is 9" x 2-3/4"



ARSB9

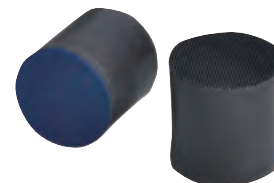
ARSB5

ARSB5
(5" x 2-3/4")

ARSB9
(9" x 2-3/4")

1.25" Double Sided De-nibbing Block - PSA & Velcro

- For spot hand sanding
- PSA face on one side and Velcro on the other
- For use with 1-1/4" abrasive



4660

107EX**4 Ton Capacity Portable Power Kit**

- “Quick-lock” design for fast and easy assembly and disassembly
- Long handle provides ease of pumping
- Thick wall extension tubes provide added strength and longer life
- Flexible hydraulic hose with spring guards at both ends
- Kit Includes:
 - Storage Case
 - Hydraulic Hand Pump
 - Hose with Male 1/4" NPT Fittings and Male Coupler
 - 4 Ton Hydraulic Ram with Female Coupler
 - Flex Head
 - Flat Base
 - Serrated Saddle
 - Wedge Head
 - 90° V-base
 - Spreader Toe (1-1/2"-16")
 - Plunger Toe
 - Spreader Ram with Female Coupler
 - Extension Tube Coupling
 - 4" Extension
 - 8" Extension
 - 12" Extension
 - 16" Extension

ANSI MEETS ANSI STANDARD
FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Weight Capacity:	8,000lbs. (4 Ton)
Min. Saddle Height:	10-1/2" (269mm)
Max. Saddle Height:	14-1/2" (369mm)
Ram Stroke:	4" (101.6mm)
Handle Length:	10-1/2" (265mm)
Net Weight:	38-1/2lbs. (17.5kg)

108EX**10 Ton Portable Power Kit with Blow Molded Case with Wheels**

- “Quick-lock” design for fast and easy assembly and disassembly
- Long handle provides ease of pumping
- Thick wall extension tubes provide added strength and longer life
- Flexible hydraulic hose with spring guards at both ends
- Blow molded case for easy storage and transport
- Kit Includes:
 - Storage Case
 - Hydraulic Hand Pump
 - Hose with Male 1/4" NPT Fittings and Male Coupler
 - 10 Ton Hydraulic Ram with Female Coupler
 - Flex Head
 - Flat Base
 - Serrated Saddle
 - Wedge Head
 - 90° V-base
 - Spreader Toe (2-1/4"-14")
 - Plunger Toe
 - Spreader Ram with Female Coupler
 - Extension Tube Coupling
 - 5" Extension
 - 10" Extension
 - 14" Extension
 - 19" Extension

ANSI MEETS ANSI STANDARD
FOR PERFORMANCE AND SAFETY

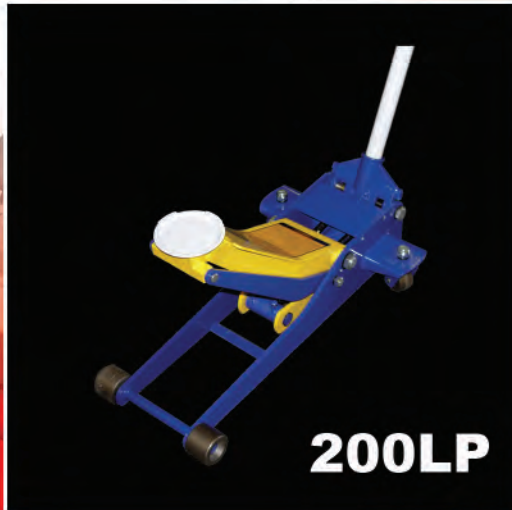
SPECIFICATIONS

Weight Capacity:	20,000lbs. (10 Ton)
Min. Saddle Height:	14-7/8" (377mm)
Max. Saddle Height:	20-7/8" (527mm)
Ram Stroke:	6" (150mm)
Handle Length:	18-1/8" (460mm)
Net Weight:	66lbs. (30kg)



200LP

2 Ton Double Plunger Low Profile Service Jack



500H

1/2 Ton Capacity Telescoping Transmission Jack



5302

20 Ton Air/Manual Bottle Jack



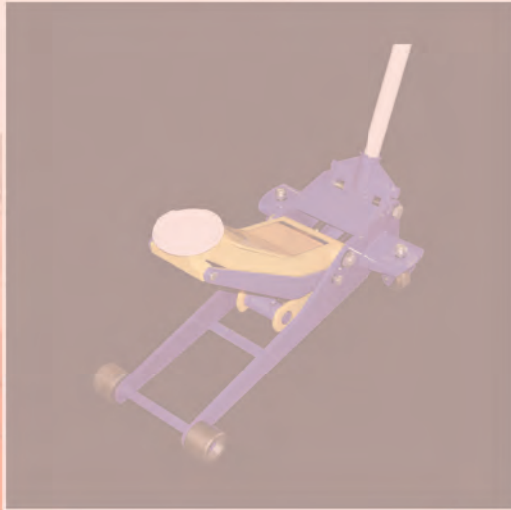
HYDRAULIC



Hydraulics Section Reference

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200LP



500H



5302



HYDRAULIC



2 Ton Double Plunger Low Profile Service Jack

- Very low pick up point of 2-3/4"
- Double plunger
- Only 8-9 pumps to full height
- Quick pump
- Overload protection

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Min. Saddle Height:	2-3/4" (70mm)
Max. Saddle Height:	19-5/8" (495mm)
Chassis Length:	26-3/8" (670mm)
Height with Handle:	56" (1420mm)
Frame Height:	5-1/2" (142mm)
Saddle Diameter:	4-3/4" (120mm)
Net Weight:	91lbs. (41kg)

200LP



2-1/2 Ton Double Plunger Hydraulic Service Jack

- Double plunger
- Only 8-9 pumps to full height
- Lifting arm reinforced with internal steel beam
- By-pass system
- Overload protection
- 1.9 ton on single stroke under normal load
- Extra long handle for easier pumping and reaching under vehicles

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Min. Saddle Height:	4-1/3" (110mm)
Max. Saddle Height:	19.3" (490mm)
Chassis Length:	27.3" (695mm)
Height with Handle:	56.5" (1435mm)
Frame Height:	6.5" (165mm)
Saddle Diameter:	4.8" (123mm)
Net Weight:	105.8lbs. (47kg)
Strokes:	8 - 9

250DP



3 Ton Dual Plunger Low Profile Service Jack

- Double pump plunger
- Only 8-9 pumps to full height
- Lift arm reinforced with internal steel beam for maximum strength
- Safety by-pass system to relieve excess pressure at full extension
- Safety overload protection to relieve excess pressure at maximum rated capacity
- 1.9 ton on single stroke under normal load
- Extra long handle for easier pumping and reaching under vehicles
- Universal 45 degrees guarantees pumping at any position under load
- Heavy duty rear casters

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Min. Saddle Height:	3-9/16" (90mm)
Max. Saddle Height:	20-3/16" (515mm)
Chassis Length:	31" (789mm)
Height with Handle:	56" (1424mm)
Frame Height:	6" (153mm)
Saddle Diameter:	4-11/16" (120mm)
Net Weight:	113lbs. (51kg)
Strokes:	8 - 9

300DL



500EX**5 Ton Capacity Hydraulic Floor Jack**

- Constructed of rugged steel
- All metal casters
- Long, low design enables the user to get into low work areas
- Designed for heavy duty shop applications

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Weight Capacity:	5 Ton (11,000 lbs.)
Min. Saddle Height:	5-7/8" (150mm)
Max. Saddle Height:	22" (560mm)
Hydraulic Lift:	16" (410mm)
Chassis Length:	52-3/4" (1342mm)
Chassis Width:	14-1/4" (364mm)
Handle Length:	45-1/2" (1155mm)
Frame Height:	6-3/4" (170mm)
Saddle Diameter:	5" (130mm)
Net Weight:	210lbs. (95kg)

1000EX**10 Ton Capacity Hydraulic Floor Jack**

- Constructed of rugged steel
- All metal casters
- Long, low design enables the user to get into those low work areas
- Designed for heavy duty shop applications

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Weight Capacity:	10 Ton (22,000 lbs.)
Min. Saddle Height:	6-3/8" (160mm)
Max. Saddle Height:	22" (560mm)
Hydraulic Lift:	15-3/4" (400mm)
Chassis Length:	58-1/4" (1478mm)
Chassis Width:	19" (482mm)
Handle Length:	45-1/2" (1155mm)
Frame Height:	8-3/4" (224mm)
Saddle Diameter:	5-7/8" (150mm)
Net Weight:	320lbs. (145kg)

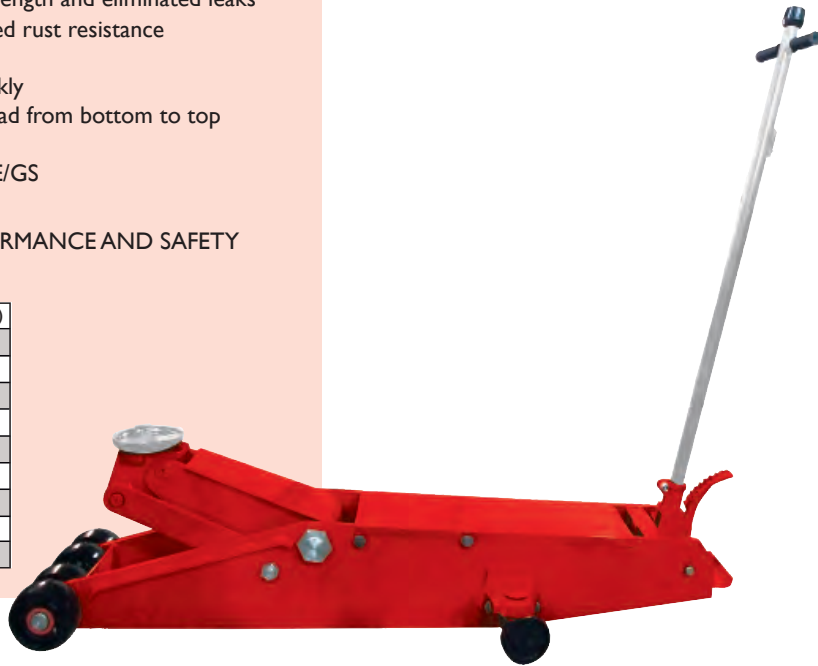
20 Ton Capacity Hydraulic Floor Jack

- Welded base and cylinders to assure strength and eliminated leaks
- Chromed pump piston and ram for added rust resistance
- Self-retracting
- Foot pedal brings saddle up to load quickly
- Quick pump design for lifting without load from bottom to top within 13 strokes
- Meets ANS/ASME PALD Standards & CE/GS

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Weight Capacity:	20 Ton (44,000 lbs.)
Min. Saddle Height:	7-1/2" (190mm)
Max. Saddle Height:	26.4" (670mm)
Hydraulic Lift:	18.9" (480mm)
Chassis Length:	70.5" (1791mm)
Chassis Width:	11.25" (286mm)
Handle Length:	45.4" (1153mm)
Frame Height:	10.5" (266mm)
Saddle Diameter:	5.7" (145mm)
Net Weight:	617lbs. (280kg)



2000EX

**FLOOR JACK &
AIR OVER JACK**

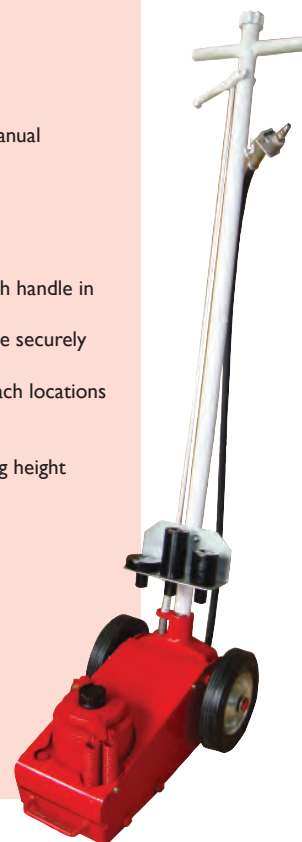
22 Ton Capacity Air/Hydraulic Jack with Quick Spring Return

- Compact and portable, yet built to last
- Large 8" hard rubber wheels provide easy maneuverability and positioning of jack
- AJ22C includes four heavy return springs for quick ram retraction and eliminates manual lowering of jack
- Air operated pump reduces lifting time and fatigue
- Air valve with internal filter protects air pump and air valve
- Safety overload system prevents jack from being used beyond its rated capacity
- Extension screw gives added height when necessary
- Jack release knob located at top of handle for convenience and can be operated with handle in any position
- Handle lock lever located at top of handle for convenience and allows locking handle securely in vertical, 45 degree, and horizontal positions
- 50" long "T" handle simplifies transporting jack and positioning jack into hard to reach locations under vehicle
- Rust inhibitive coating on ram and extension screw
- Four extension adapters and adapter holder included for convenience and extending height

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Weight Capacity:	22 Ton (44,000 lbs.)
Minimum Saddle Height without Adapter:	8-3/4" (210mm)
Maximum Saddle Height with "D" Adapter:	21" (535mm)
Hydraulic Lift:	4-3/4" (120mm)
Length:	20-1/4" (515mm)
Width:	13" (330mm)
Height with Handle:	55-1/2" (1410mm)
Net Weight:	104lbs. (47.4kg)



AJ22C

5302



20 Ton Air/Manual Bottle Jack

- Designed for operating manual or pneumatic operation
- Air hose can swivel in any direction of connection from air source
- Fitted with a safety valve against overloading
- 3 piece long handle allows ease of pumping
- Extension screw gives added height when necessary
- Speedy and versatile, air/hydraulic bottle jack is far quicker than using conventional hand operated hydraulic equipment safer (since air power permits one-handed operation and enables user to watch load more closely)

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Capacity:	20 Ton
Minimum Height:	10.375" (263mm)
Maximum Height:	19.9" (505mm)
Lift:	6.375" (162mm)
Screw:	3.15" (80mm)
Air Pressure:	90-120psi
Net Weight:	40lbs. (18kg)

5304



20 Ton Low Profile Air/Manual Bottle Jack

- Designed for operating manual or pneumatic operation
- Air hose can swivel in any direction of connection from air source
- Fitted with a safety valve against overloading
- Extension screw gives added height when necessary
- Speedy and versatile, air/hydraulic bottle jack is far quicker than using conventional hand operated hydraulic equipment safer (since air power permits one-handed operation and enables user to watch load more closely)
- Heavy duty design makes them ideal for a wide variety of automotive, truck, industrial and construction work

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Capacity:	20 Ton
Minimum Height:	7" (178mm)
Maximum Height:	12" (305mm)
Lift:	3" (76.2mm)
Screw:	2" (51mm)
Air Pressure:	90-120psi
Net Weight:	32lbs. (14.5kg)

1/2 Ton Capacity Telescoping Transmission Jack

- Ideal for under hoist use
- Fully adjustable universal saddle with corner brackets and safety chain for alignment of bolt patterns
- Foot operated pump and lowering pedals allow use of both hands to position and align saddle with transmission
- Flash chromed ram prevents rust from entering the hydraulic system
- Safety overload system prevents jack use beyond its rated capacity
- Large handle to maneuver jack
- Wide base adds stability
- 4 swivel ball bearing casters

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Weight Capacity:	1,000lbs. (1/2 Ton)
Min. Saddle Height:	34-3/4" (882mm)
Max. Saddle Height:	71-3/4" (1822mm)
Hydraulic Lift:	37" (940mm)
Overall Length:	34" (865mm)
Overall Width:	33-1/2" (850mm)
Saddle Size:	14-1/2" x 10-3/4" (360mm x 275mm)
Saddle Tilt Forward:	24°
Saddle Tilt Backward:	19°
Saddle Left & Right:	10°/ 20°
Net Weight:	151lbs. (68.5kg)



500H

TRANSMISSION JACKS

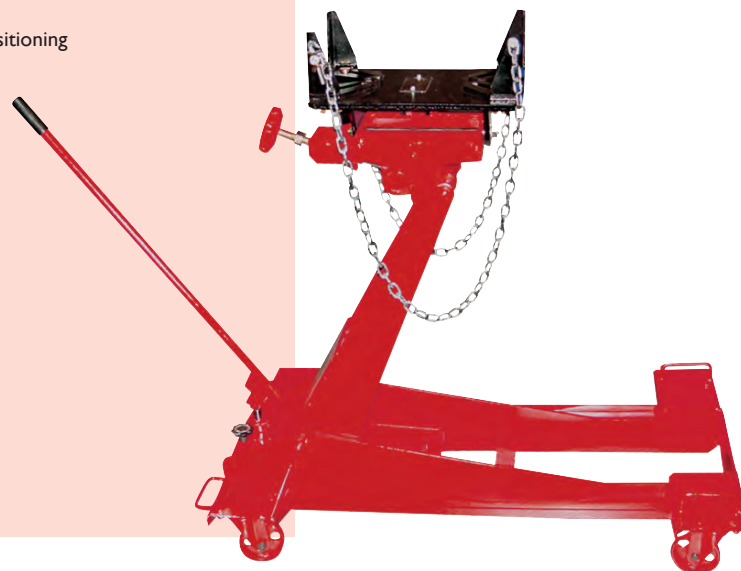
1-1/2 Ton Capacity Truck Transmission Jack

- Designed for removal and installation of heavy-duty truck transmissions or differentials
- Safety overload system prevents jack from being used beyond its rated capacity
- Flash chrome ram prevents rust from entering the hydraulic system
- Fully adjustable universal saddle with adjustable corner brackets and safety chain
- Pump handle rotates 360° for all position operation
- Safety by-pass system prevents damage to cylinder
- Four full-swivel ball bearing caster wheels for easy positioning
- Low frame easily clears undercarriage obstacles
- 4-way swivel

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Weight Capacity:	3,000lbs. (1-1/2 Ton)
Min. Saddle Height:	9" (228.6mm)
Max. Saddle Height:	37" (939.8mm)
Hydraulic Lift:	28" (711.2mm)
Chassis Length:	44-1/2" (1130.3mm)
Chassis Width:	25-1/2" (648mm)
Saddle Tilt Forward:	30°
Saddle Tilt Backward:	15°
Saddle Left & Right:	12°
Net Weight:	300lbs.



1500CY

TS22**Hydraulic Press - 20 Ton Capacity**

- Heavy duty return springs for fast ram retraction
- Reinforced head plate
- Arbor plates included
- Safety bypass valve assures unit will not exceed rated capacity

ANSI MEETS ANSI STANDARD FOR
PERFORMANCE AND SAFETY

SPECIFICATIONS

Weight Capacity:	40,000lbs. (20 Ton)
Overall Height:	59-1/14" (1500mm)
Base Width:	29-1/2" (750mm)
Stroke:	5-5/7" (145mm)
Press Bed Width:	22-1/2" x 4"
Net Weight:	225lbs. (102kg)

5820**Engine Transverse Bar with Support Arm**

- Makes removal of transaxle easy by supporting engine of front wheel drive vehicles
- Support Arm provides three point support for off-center loads
- Includes 1/8" braided steel cables and 14" adjustable hooks
- Capacity: 700lbs.
- Weight: 21 lbs.
- Min: 31"
- Max: 64"

1102

2 Ton Under Hoist Tripod Stand

- Ideal for supporting vehicle components under the vehicle
- All steel construction for added strength
- Adjustable pin chained to the stand secures the support column at 6 different height positions
- Quick adjust spin handle with thrust bearing eliminates wear and provides ease of turning under load
- 1-1/4" diameter acme threaded screw has 6-1/4" of travel for fine adjustment
- 5/8" thick rubber saddle pad
- Wide base design for load stability

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

SPECIFICATIONS

Weight Capacity:	4,000lbs. (2 Ton)
Min. Saddle Height:	55-1/3" (1405mm)
Max. Saddle Height:	85-1/4" (2165mm)
Overall Length:	18" (460mm)
Overall Width:	23-1/3" (600mm)
Overall Height:	55-1/2" (1410mm)
Saddle Size:	3.2" x 3.2" (80mm x 80mm)
Base Diameter:	28" (704mm)
Screw Extension:	6-1/4" (158mm)
Net Weight:	48.4lbs. (22kg)



UNDER HOIST STANDS

1175

3/4 Ton Under Hoist Stand

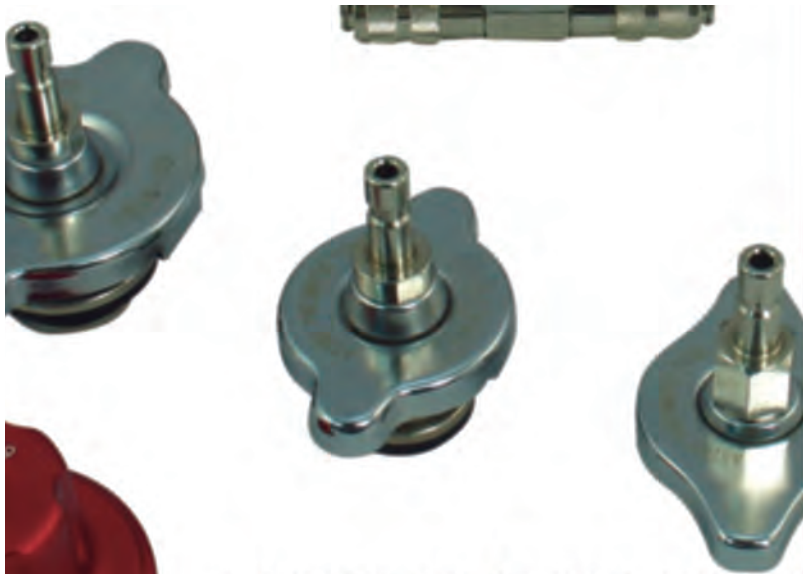
- Rugged construction for support when transferring load
- Lightweight, slender design makes handling easy even in close quarters
- 12" diameter base provides maximum stability
- Quick adjust spin handle with thrust bearing eliminates wear and provides ease of turning under load
- Diamond plate saddle grips the load

ANSI MEETS ANSI STANDARD FOR PERFORMANCE AND SAFETY

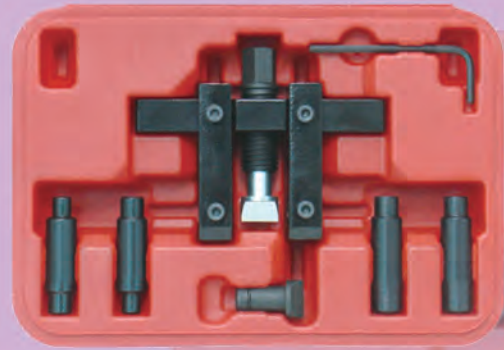
SPECIFICATIONS

Weight Capacity:	1,500lbs. (3/4 Ton)
Min. Saddle Height:	55" (1400mm)
Max. Saddle Height:	81-1/3" (2065mm)
Overall Height:	57-1/2" (1460mm)
Overall Width:	12" (305mm)
Overall Length:	12" (305mm)
Base Diameter:	12" (305mm)
Net Weight:	28lbs. (12.7kg)





UNDER CAR KITS

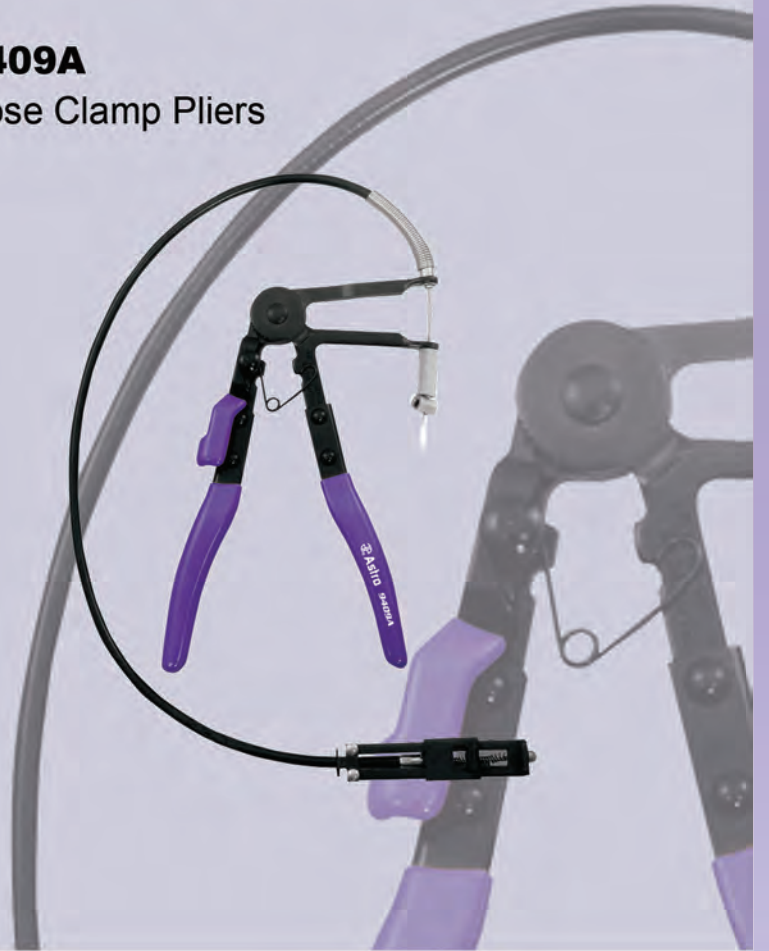


78205
Universal Steering Knuckle Spreader Tool



78585
Universal Radiator Pressure Tester & Vacuum Type Cooling System Kit

9409A
Hose Clamp Pliers



UNDER CAR KITS



Undercar Kits Section Reference

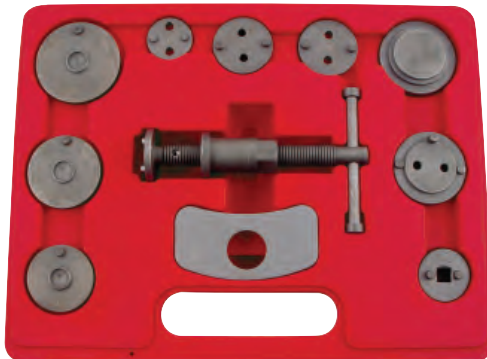
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UNDER CAR KITS

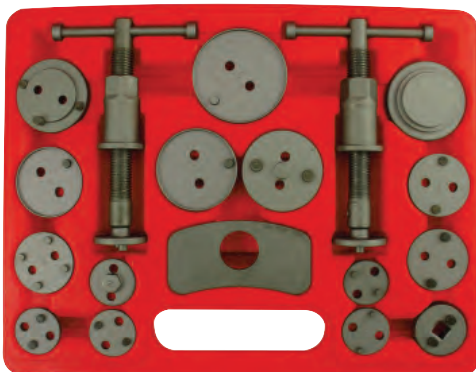
7848**8pc. Professional Brake Tool Set**

- Set includes
1- Blow Molded Case for easy storage and transport

Description	Qty.
Spring Compressor	1
Brake Spring Installer	1
Spring Removal Tool	1
Brake Retaining Spring Tool	1
Brake Spring Pliers	1
Brake Adjustment Spoons	2
Mini Adjustment Spoon	1

7860**1pc. Disc Brake Pad & Caliper Service Tool Kit**

- Magnetic socket adapter
- Includes 8 adapters for brake assembly
- For rotating pistons back into caliper to provide clearance for new pads
- Prevents damage to the piston and boot
- Designed for use with Mercedes, BMW, Volkswagen, GM, Audi, Ford, Honda, Subaru, Mazda, Nissan, Mitsubishi, Toyota, Land Rover and 4 wheel drive vehicles
- Blow molded case for easy storage and transport
- Case Dimensions: (L)13-1/4" x (W)10-1/4" x (H)2"
- Net Weight: 4-1/3lbs. (1.96kg)

78618**18pcs Brake Caliper Wind Back Tool Set**

- Provides both left-handed and right-handed thrust bolt assemblies
- Complete set of adaptors for a wide range of vehicle applications
- Designed for push back and wind back brake pistons
- Left-handed thrust bolt required for Ford, Citroen, and Renault applications
- Adaptor plates with thrust bolt assembly and reaction plate are precisely made
- Prevents damaging pistons and seals
- Updated adaptor set applicable for wide variety of vehicles

Universal Radiator Pressure Tester & Vacuum Type Cooling System Kit

PURGE AND REFILL

78585

- Special design of vacuum purge & refill tool connection fits nearly all type of radiator openings
- Allows for easy testing for leakage in radiator system and quick change of coolant
- Set includes:
 - 1pc Gauge :Test Range 0 ~ 2.5 bar.
 - 1pc Blue Test Adapter and 1pc Black Test Adapter to test original cap leakage
 - 16 pieces Radiator Tester Caps
 - Radiator Purge and Refill Tool
- Applications: Mercedes Benz, GM, Jeep, Peugeot, Subaru, Chrysler, Acura, Mitsubishi, Nissan, Mazda, Toyota, Infiniti, Geo, Suzuki, Isuzu, Honda, Lexus, Volvo, Saab, Citroen, Renault, Fiat, Alfa, Mini Cooper, VW, BMW, Ford, Opel, Porsche., Audi



Vacuum Type Purge & Refill Tool Kit

78586

- Allows for easy purge & refill of cooling system
- Tool connection fits nearly all type of radiator openings.
- Unit is suitable for domestic and import vehicles.
- Set includes:
 - Radiator Purge/Refill Tool with Radiator Cap Quick Coupler
 - Coolant Hose Quick Coupler
 - Universal Rubber Radiator Adaptor
 - Coolant Hose



Universal Radiator Pressure Tester

7858DX

INCLUDES CONNECTORS FOR RADIATOR CAP TESTING

- Makes testing cars' higher pressure cooling systems and pressure caps easy
- Gauge tests pressure ranges from 0 - 35lbs
- Color coded dial gauge allows easy accurate testing of higher pressure caps and systems

Description	Qty.
Temperature Gauge	1
Pressure Testing Pump with Gauge	1
Adapter - GM (Cadillac)	1
Adapter - Benz, Ford , GM (Buick), Jeep	1
Adapter - Peugeot, Mitsubishi, Nissan, Mazda, Toyota, Subaru, Infiniti, Geo, Suzuki, Isuzu, Lexus	1
Adapter - Honda, Toyota, Suzuki, Mitsubishi	1
Adapter - Opel, VW, Ford, BMW245, Saab, Jaguar	1
Adapter - Volvo, Saab, Audi, Citron, Renault, Fiat Peugeot, Alfa, Jeep	1
Adapter - New VW	1
Adapter - VW T4, New Audi A4, A5, A6, BMW345	1
Adapter - BMW	1
Adapter - Audi, VW	1
Adapter - Ford, International, GM, Rover	1
Adapter - Benz	1
Universal Adapter	1



7895



10pc. Fan Clutch Wrench Set

- Allows you to hold the fan clutch with the clutch holder tool, while using the special wrench to turn the fan clutch nut
- Square drive allows attachment of a breaker bar for extra torque
- A must for any front engine service
- Works on wide range of Ford, General Motors and Chrysler vehicles
- Blow molded case for easy storage and transport
- Kit Includes:

Description	Qty.
2-1/4" Fan Pulley Holding Tool	1
2-3/8" Fan Clutch Bolt Holding Tool	1
2-1/8" Fan Clutch Pulley Holding Tool	1
3-1/4" Fan Pulley Holding Tool	1
3" Fan Clutch Pulley Holding Tool	1
2-1/2" Fan Hub Wrench	1
1-7/16" Fan Clutch Nut Wrench	1
1-7/16" Fan Clutch Wrench	1
1-9/16" Fan Clutch Wrench	1
1-7/8" Clutch Nut Wrench Left Hand	1

78200



Mercedes-Benz & BMW Fan Clutch Service Set

- Removal of lock nuts on thermo Viscous fans found on Mercedes-Benz, BMW, Ford and many other vehicles
- Allows the technician to hold the water pump pulley in place while loosening the radiator fan for removal of the visco-coupling on the cooling fan
- Special open-ended spanner to allow removal and replacement of the radiator fan hub
- The three-in-one design allows servicing of three separate areas of repair

Description	Qty.
Mercedes-Benz Fan Clutch Wrench 65mm Opening	1
BMW Fan Clutch Wrench 32mm Opening	1
Mercedes-Benz Fan Clutch Wrench 36mm Opening	1
Mercedes-Benz Fan Clutch Wrench 40mm Opening	1
BMW Fan Clutch Holding Wrench 38mm & 44.5mm	1
Mercedes-Benz Fan Clutch Holding Tool	1
Universal Fan Belt Adjustment Wrench	1
Allen Keys 10mm	1
Allen Keys 8mm	1
Allen Keys 2.5mm	1

78625

GM Water Pump Holding Tool

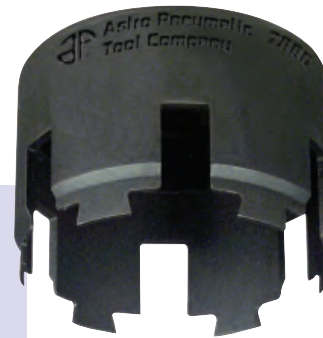
- Tool allows user to simply access plate from front cover and install the tool to hold timing chain in place
- For use on 2002-2008 GM 2.2L & 2.4L Ecotech engines in Chevrolet, Oldsmobile, Pontiac & Saturn platforms



7880

Northstar Water Pump Socket

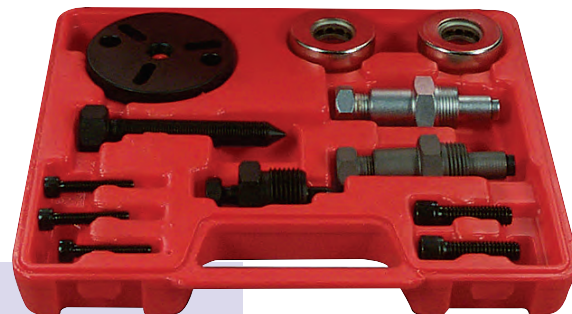
- Used to remove and install the water pump on Cadillac Northstar 4.6 liter V-8 engines 1993 and later
Oldsmobile Aurora 4.0 liter V-8 engines 1997 and later
- Enhanced durability
- More strength and control in removing and replacing water pump impeller



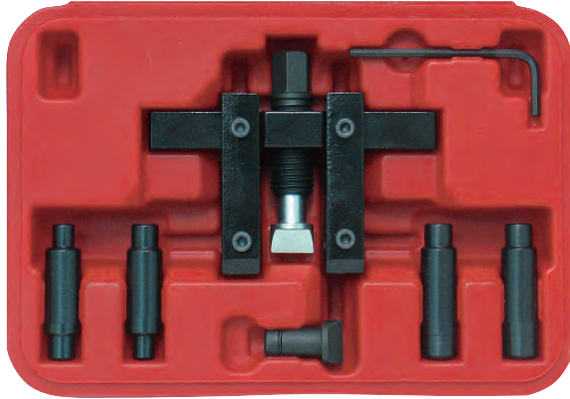
7886

A/C Compressor Clutch Installer/Remover Kit

- Replaces clutches found on FS6, CI171, 6P & 148 compressors GM R4 & A6, HR-6, DA-6 & V5 A/C compressors, Sanden compressors SD505, 507, 510, 575, 708 & 709
- 2 & 3 hole puller plate fits most clutches, and mechanical force does the pulling



78205



Universal Steering Knuckle Spreader Tool

- Spreads lower ball joint clamp preventing damage to knuckle that may be caused by using other removal methods
- This tool is adjustable and suitable for steering knuckles with either a centralized slot or non-centralized slot
- Suitable for clamping bores on Audi, BMW, Citroen, Ford, Peugeot, Renault, Seat, Skoda, VW and many Japanese vehicles
- Made of durable Chrome-Moly steel for added strength



7824



Bearing Race and Seal Driver-Master Set

- Easier to insert wheel bearing race and seals without damaging race and axle housing
- Includes nine disc sizes to fit most standard wheel bearings
- Turn discs over to drive seals
- Blow molded case for easy storage and transport
- Set includes the following parts:

Description	Qty.	Description	Qty.
No. 1 – Size 1.565"	1	No. 6 – Size 2.555"	1
No. 2 – Size 1.750"	1	No. 7 – Size 2.830"	1
No. 3 – Size 1.965"	1	No. 8 – Size 2.995"	1
No. 4 – Size 2.325"	1	No. 9 – Size 3.180"	1
No. 5 – Size 2.470"	1		

7863



Axel Nut Socket Set

- Blow molded case for easy storage and transport
- 1/2" Drive

Kit Includes:

Description	Qty.	Description	Qty.
29mm	1	35mm	1
30mm	1	36mm	1
32mm	1	38mm	1
34mm	1		

7801

7pc. Sensor & Sending Unit Socket Set

- Made of Cr-V

Set Includes:

- 1" & 1-1/16" Oil Pressure Sending Unit Socket
- 1-3/16" Oil Pressure Sending Unit Socket
- 1-1/16" GM Thermal Sensor Switch Socket
- 7/8" Heated Oxygen Sensor Socket
- 7/8" Low Profile Offset Oxygen Sensor Socket
- 7/8" Oxygen Sensor Socket
- 7/8" Universal Vacuum PVS, TVS Valve and Oxygen Sensor Socket



7898

Deluxe Noid Lite and GM AC Signal Test Lights Set

- Economic way to check electronic fuel injection (EFI) signals
- Quickly and easily checks for systems of GM TBI, Bosch PFI Ford TBI, GM PFI, Geo TBI and GM SCPI
- To test, just disconnect the fuel injectors, plug the Noid Lite into injector wiring harness then crank the engine
- Normal voltage is indicated by flashing light which is visible from passenger compartment
- Blow molded case for easy storage and transport



78444

44pc Master Radio Removal Set

- Set includes the following tools needed to install and remove radios:

2 - Radio Removal U-Hooks (Ford/VW/Audi/Grundig/Blaupunkt)
1 - Special Pentagon Wrench (BMW)
4 - Radio Removal Keys (VW/Audi/Becker/Mercedes-Benz)
2 - Radio Removal Keys (Mercedes-Benz/Porsche/Becker)
2 - Radio Removal Keys (VW)
1 - Allen Hex Wrench (BMW/Opel)
2 - Radio Removal U-Hooks (New Blaupunkt)
6 - Radio Removal Keys (Mercedes-Benz/BMW)
2 - Radio Removal Keys (Kenwood II 1998-2001)
2 - Radio Removal Keys (Sony II ab 2002)
2 - Radio Removal Keys (Kenwood III ab 2002)
2 - Radio Removal Keys (Pioneer & JVC)
2 - Radio Removal Keys (Sony I bis 2005)
2 - Radio Removal Keys (Panasonic)
2 - Radio Removal Keys (Kenwood I bis 1998)
2 - Radio Removal Keys (Kenwood MASK)
2 - Radio Removal Keys (Clarion-New)
2 - Radio Removal Keys (Clarion (ALT))
2 - Radio Removal Keys (Panasonic 2006)
2 - Radio Removal Keys (Sony IDIC 2005)



7846



Harmonic Balancer Puller Set

- Designed for use on harmonic balancers, crankshaft pulleys, steering wheels and gear pulleys
- Can be used on tapped flywheels of electric or two-cycle motors
- Heavy duty 4-way slotted yoke
- 3 - Hardened forcing screws 3-3/4" & 6-1/2" long
- Blow molded case for easy storage and transport
- 11 sets of washer head bolts:

Description	Qty.
1/4"-28 UNF x 3"	2
5/16"-18 UNC x 2"	3
5/16"-18 UNC x 4-1/2"	3
5/16"-24 UNF x 3-1/2"	2
3/8"-16 UNC x 4"	3
3/8"-24 UNF x 2"	3
3/8"-16 UNF x 2"	3
8mm x 1.25 x 80mm	3
8mm x 1.25 x 40mm	3
8mm x 1.25 x 65mm	2
10mm x 1.50 x 50mm	3

78527



7pc Oil Filter Removal Socket Set

- All sockets are 3/8" drive
- Made of Chrome Vanadium

24mm (15/16") for Cadillac 36
27mm (1-1/16") for Mercedes A Class, VW, 2.8L, 3.2L and 3.6L V6 Cadillac CTS, STS, SRX, Buick Rendezvous Ultra, Buick Lacrosse CXS, Saturn L3000, SAAB 9-5 & Mercedes 1.8L
29mm (1-1/8") for Dodge Cummins Fuel Filter Housing
30mm (1-3/16") for Korean Cars
32mm (1-1/4") for GM Ecotec, 2.0L, 2.2L & 2.4L four cylinder oil filter housing; some Saturn & SAAB
35/36mm for Ford 6.0L Diesel Fuel & Oil Filter Housing, Mini Cooper & some BMW oil filter housing and Mack truck oil filter housing
38mm (1-1/2") for Vauxhall/Vectra 2.0L diesel engine

Master Disconnect Set Kit

- A complete set of disconnect tools stored in a handy blow-molded case

Fuel & Transmission Line Disconnect Set

- Anodized aluminum
- Separate fittings on fuel lines, fuel filters & fuel tank return lines
- Sizes: 1/4", 5/16", 3/8" & 1/2" Oil Cooler Line Disconnect Tool
- Separates automatic transmission oil cooler lines on Ford Taurus and Escort with AXOD and ATX transmissions
- Fuel line disconnect tool allows damage free fuel line quick connect coupler release
- Fits any 5/16" or 3/8" fuel line found on GM, Ford or Chrysler cars
- Ford fuel line coupling tool provides easy, damage-free fuel line separation
- Works on 1990 and newer Ford Ranger and Explorers with 4.0L, 6 cylinder engines
- Disconnect tool allows quick separation of quick connectors found on radiators, transmissions and power steering lines
- Releases the fingers on transmission-to-radiator oil cooler line easily without damage to the hose or connector
- Works on 1986 and newer Ford Taurus and Mercury Sable with an AXOD, AOD or ATX transmission
- Quick disconnect coupler tool slides down the line and into the connector; separating the clip apart without damaging the quick connect seals allowing removal of clip
- Works on late model Ford and GM vehicles

Oil Cooler Line Remover

- Anodized aluminum
- This unit is used to disconnect transmission oil cooler lines
- Works on 2003 and 2004 Ford Explorer (V8), 2004 Ford F150, and 2004 Cadillac CS
- Unique design to clear the flare and disconnect the new style clips

Air Conditioning & Fuel Line Disconnect Tool Set

- Sizes 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8" Air Conditioning & Fuel Line Disconnect Tool
- Allows easy disconnection of air conditioning lines & quick connect fuel lines
- Six distinctive tools allow the disconnecting of spring lock couplings air conditioning lines found on Ford and Chrysler
- Allows usage on fuel line quick connect couplings found on GM, Ford, and Chrysler
- 5/16" Disconnect Tool allows usage on push lock connectors found on Ford radiators and transmission lines

78930



8pc. Fuel & Transmission Line Disconnect Tool Set

- Anodized aluminum
- Separate fittings on fuel lines, fuel filters & fuel tank return lines
- Sizes: 1/4", 5/16", 3/8" & 1/2" Oil Cooler Line Disconnect Tool
- Separates automatic transmission oil cooler lines on Ford Taurus and Escort with AXOD and ATX transmissions
- Fuel line disconnect tool allows damage free fuel line quick connect coupler release
- Fits any 5/16" or 3/8" fuel line found on GM, Ford or Chrysler cars
- Ford fuel line coupling tool provides easy, damage-free fuel line separation
- Works on 1990 and newer Ford Ranger and Explorers with 4.0L, 6 cylinder engines
- Disconnect tool allows quick separation of quick connectors found on radiators, transmissions and power steering lines
- Releases the fingers on transmission-to-radiator oil cooler line easily without damage to the hose or connector
- Works on 1986 and newer Ford Taurus and Mercury Sable with an AXOD, AOD or ATX transmission
- Quick disconnect coupler tool slides down the line and into the connector; separating the clip apart without damaging the quick connect seals allowing removal of clip
- Works on late model Ford and GM vehicles

7892



7897

Ball Joint Service Tool and Master Adapter Set

- Removes and replaces ball joints
- C frame press alone can be used to remove and replace universal joints
- Set includes all the receiver tubes and removing/installing adapters needed to work on press-fit upper and lower ball joints on most GM, Ford, and Dodge 2 and 4 wheel drive pickups, vans and sport utility vehicles through 1997
- Also included is the #2030-1 live center forcing screw plug
- Blow molded case for easy storage and transport

7865

Ball Joint Service Tool with 4-wheel Drive Adapters

- Heavy duty tool set is excellent for removal and installation of press-fit parts such as ball joints, universal joint and truck brake anchor pins
- Remove even rusted and corroded parts
- Set contains C-frame press, 3 receiver tubes sizes: 2-3/4"x3", 2-1/4"x 2-1/2" & 1-3/4"x2", installation and removing adapters
- Set also includes: 4-wheel drive ball joint service kit that allows service for 1967 thru current 1/2 and 3/4 ton 4WD vehicles having the Dana 44 front axle (found on Ford, GM, Dodge, IHC and Jeep vehicles)
- Blow molded case for easy storage and transport

7868

Master Ball Joint Adapter Set

- Includes all the receiving tubes and removing/installing adapters needed to work on most GM, Ford and Dodge 2-wheel and 4-wheel drive pick-ups, vans and sport utility vehicles through 1997
- Work on press-fit upper and lower ball joints
- Set also includes live center forcing screw plug
- Blow molded case for easy storage and transport

7874



Pulley Puller and Installer Kit

- Removes pressed-on alternator and power steering pulleys on late model GM, Ford and Chrysler engines
- Installs late model GM alternator and power steering pulleys including Quad 4
- Blow molded case for easy storage and transport
- Case Dimensions: (L)9" x(W)7-1/4" x(H)2"
- Net Weight: 2lbs. (.90kg)

7802



Tie Rod/Pitman Arm Adjusting Tool Set

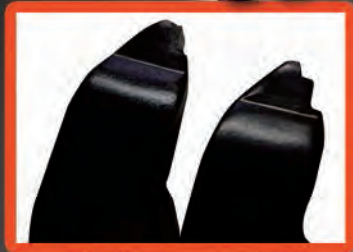
- Special tool design facilitates 360° rotation of adjusting sleeve in tight areas
- Accommodates 1/2" drive ratchet or breaker bar
- Blow molded case for easy storage and transport
- Kit Includes:
 - 1pc Pitman arm tool
 - 4pc Tie rod tools



Astro Pneumatic Tool Company

9409A

Hose Clamp Pliers



OLD NEW



Crimp piece for wire to better secure end



OLD
NEW

Widened Lock Lever with two teeth to eliminate possibility of slippage

Deeper cut gears to insure proper alignment with lock lever



OLD NEW



OLD NEW



Lifetime Warranty on pliers only. Cable and spring are wearable items and must be replaced.

- Allows for extra reach, removal and locking of clamps into open position
- Allows for removal of plastic and/or metal self-tightening hose clamps with diameters of 11/16" - 2-1/2" (18mm - 54mm)
- Precision clamp on end of flexible cable allows for extended reach where other models cannot reach
- Pliers can be locked, freeing up your hands and making your job easier and faster
- Rubber dipped handle
- Pliers have a lifetime warranty
- Cable and spring are wearable items and must be replaced
- Double gear lock
- US Patent # 6,370,985 B1
- France Patent # 0012910
- Accessory Available:
 - 9409ACA - Cable Assembly

CABLE ALSO FITS POPULAR BRANDS



OLD
NEW

Thicker wire and cable to enhance durability



Hose Clamp Pliers

- Re-engineered double gear lock lever with wider and deeper gears for secure locking
- Enhanced cable assembly with larger cable and stronger connection for maximum strength
- New cable adjuster and multiple gear lock provide accurate and secure locking for any clamp position between minimum and maximum range
- Allows for removal of plastic and/or metal self-tightening hose clamps with diameters of 1 1/16" - 2-1/2" (18mm - 54mm)
- Precision clamp on end of flexible cable allows for extended reach where other models cannot reach
- Pliers can be locked, freeing up your hands and making your job easier and faster
- US Patent # 6,370,985 B1,
France Patent # 0012910
- Cable Assembly - #9409ACA

9409A



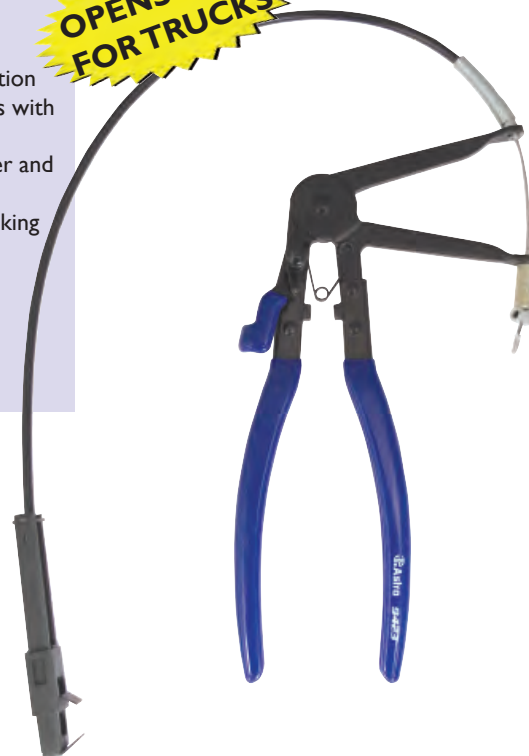
HOSE CLAMP
PLIERS

Heavy Duty Truck Hose Clamp Pliers - 3" Capacity

- Larger capacity pliers specially designed for trucks
- Allows for extra reach, removal and locking of clamps into open position
- Allows for removal of plastic and/or metal self-tightening hose clamps with diameters of 1 1/16" - 3"
- Pliers can be locked, freeing up your hands and making your job easier and faster
- Double Gear Lock Lever with wider and deeper gears for secure locking
- Pliers body has a lifetime warranty
- Cable and spring are wearable items and must be replaced
- US Patent # 6,370,985 B1
France Patent # 0012910
- Cable Assembly - #9423CA

OPENS TO 3"
FOR TRUCKS

9423



9406



9406B



9406C



9406D



9406E



9406F



9406G

7pc. Pliers Assortment Kit

Set Includes:

Hose Clamp Pliers (Astro Model # 9409A)

- Allows for extra reach, removal and locking of clamps into open position
- Allows for removal of plastic and/or metal self-tightening hose clamps with diameters of 1 1/16" - 2-1/2" (18mm - 54mm)
- Precision clamp on end of flexible cable allows extended reach where other models cannot reach
- Pliers can be locked, freeing up your hands and making your job easier and faster
- Rubber dipped handle
- Pliers have a lifetime warranty
- Cable and spring are wearable items and must be replaced.

US Patent # 6,370,985 B1

France Patent # 0012910

Swivel Jaw Hose Clamp Pliers ("+" Slot) (Astro Model # 9406B)

Swivel Jaw Hose Clamp Pliers (Astro Model # 9406C)

- Swivel jaws are slotted for positive holding of large or small clamps at any angle
- Ratchet action holds jaws closed in 5 different positions
- Fits all automotive and appliance spring wire hose clamps
- Allows fast and easy clamp removal
- Pliers latch in position to securely hold hose clamp when expanded
- Rubber dipped handle

Angled Flat Band Hose Clamp Pliers (Astro Model # 9406D)

- Designed to remove and install flat band hose clamps in hard to reach areas
- Pliers feature angled jaws with 360° rotating tips to grip clamps at any angle
- Locking latch securely holds clamp in position
- Rubber dipped handle

Hose Remover Pliers (Astro Model # 9406E)

- Designed to allow easy removal of 5/32" to 1/2" vacuum and fuel hoses
- Rubber dipped handle

Clic-R Collar Pliers (Astro Model # 9406F)

- For releasing and re-fitting reusable hose clips
- For type Clic and Clic-R
- Rubber dipped handle

Flat Band Hose Clamp Pliers (Astro Model # 9406G)

- Removes and Installs new style flat band hose clamps
- Rubber dipped handle



9409A

9481



Adjustable Style Hose Remover

- Specifically designed for removing hoses
- Quickly and easily loosens and removes hoses with a simple forward and backward motion without needing screwdrivers and multi-grip pliers
- Eliminates torn hoses and damage to plastic couplings
- Tool consists of a main body with moving jaw that adjusts to fit hoses with diameter between 24mm to 53mm
- Unique designed pins create strong grip which allows hose to be loosened and removed
- Knob on unit allows for quick and easy size adjustment and pre-tightening

9483



Large Adjustable Style Hose Remover with Handle

- Specifically designed for removing hoses
- Quickly and easily loosens and removes hoses with a simple forward and backward motion without needing screwdrivers and multi-grip pliers
- Eliminates torn hoses and damage to plastic couplings
- Tool consists of a main body with moving jaw that adjusts to fit hoses with diameter between 48mm to 115mm
- Unique designed pins create strong grip which allows hose to be loosened and removed
- Knob on unit allows for quick and easy size adjustment and pre-tightening
- Includes detachable cable with handle that assists in pulling more difficult hoses

HOSE
REMOVERS

Astro Pneumatic  Tool Company

#3018 3.5" Digital Tire Inflator

Easy Change Chuck System

**Displays KG, PSI or BAR/
Range - 3 to 175psi**

With 21" Hose

1 Button Operation

**Two position lever
1st position deflates
2nd position inflates**

Unit covered with rubber sleeve for extra comfort and durability

Allows accurate reading of tire pressure assisting with functionality of use with TPMS (Tire Pressure Monitoring System)

Works on nitrogen systems

3.5" Digital Tire Inflator with Hose

- Easy Change Chuck System
- 1 Button Operation
- Auto shut-off for increased battery life
- Displays KG, PSI or BAR measurement
- Large face LCD digital read-out
- Unit covered with rubber sleeve for extra comfort and durability
- LCD Back Light
- Allows accurate reading of tire pressure assisting with functionality of use with TPMS (Tire Pressure Monitoring System)
- Two position lever. 1st position deflates, 2nd position inflates.
- Works on a nitrogen system
- With 21" Hose

ALSO AVAILABLE: #30DC - 6" Dual Head Chuck



3018

30DC
Sold separately

Dial Tire Inflator

- Aluminum die-casting unit covered with rubber sleeve for extra comfort and durability
- Clear and easy to read
- 3-in-1 function: inflate, deflate and measure tire pressure
- Two position inflate/deflate lever
- Increased safety and reduced tire-related incidents
- Unit includes a 21" hose
- Measuring Range: 0-174psi
- Accuracy: 0-58psi +/-1.2psi
59-174psi +/-2psi
- Diameter of the dial: 3-1/8" (80mm)
- Unit has a 1/4NPT fitting that allows the user to change the chuck



3081

45Pc. Tire Repair Tool Kit

Set Includes:

- 1pc - Heavy-duty Steel T-Handle Insert Tool
- 1pc - Heavy-duty Steel T-Handle Spiral Probe Cement Tool
- 2pc - Replacement Tool
- 40pc - 4" string
- 1pc - lubricant



Heavy-Duty Steel T-handle Insert Tool



Heavy-Duty Steel T-handle Spiral Probe Reamer



7445

7835**5pc. Impact Socket Set - Chrome Protective Plastic Sleeves and Shallow Broach**

- Features protective sleeves and internal plastic inserts that prevent scratching of wheels and decorative lug nuts
- Hollow design creates room for removing longer bolts by pushing out plastic insert
- Sizes Include: 17mm, 19mm, 21mm, 13/16" and 7/8"
- Blow molded case for easy storage and transport

7870**7pc. Impact Socket Set - Chrome Protective Plastic Sleeves and Shallow Broach**

- This socket set features protective sleeves and internal plastic inserts that prevent scratching of wheels and decorative lug nuts
- Hollow design creates room for removing longer bolts by pushing out plastic insert
- Sizes Include: 13/16", 7/8", 1", 1-1/16", 17mm, 19mm, 21mm
- Blow molded case for easy storage and transport
- Case Dimensions: (L)10-1/4" x (W)6-1/4" x (H)1-3/4"
- Net Weight: 5lbs. (2.26kg)

78803**4pc. 1/2" Drive Thin Wall Flip Impact Socket Set with Protective Sleeve**

- Made of industrial grade chrome molybdenum(chrome-moly) steel alloy
- Each impact socket comes with protective sleeve
- Blow molded case for easy storage and transport
- Set includes:

Description	Qty.
1/2" Drive Flip Thin Wall Sockets - 17mm x 19mm	1
1/2" Drive Flip Thin Wall Sockets - 3/4" x 13/16"	1
1/2" Drive Flip Thin Wall Sockets - 7/8" x 21mm	1
3" Extension Bar	1

Portable Nitrogen Tire Inflation Cart

- Adjustable over pressure settings (OPS)
- Automatic purging programs (N2P)
- Vandal resistant mechanical switches
- Safe, Accurate and Easy to use
- Li battery operation
- Power saving auto power off
- Large backlit LCD display
- Inflate up to 4 tires simultaneously
- Ceramic sensor accuracy to: +/- 0.02Bar/0.3Psi/2kPa/0.02KGF
- Unit uses standard Nitrogen bottle or direct Nitrogen air supply from generator or air compressor
- Inflation Range: 0.5-10bar (1000kpa/145psi/10kg/cm2)
- Accuracy: +/-0.02bar (+/-0.3psi)

3070



Nitrogen Wall Mounted Inflator

- Die cast aluminum housing
- Vandal resistant mechanical switches provide longer unit life
- Ceramic sensor provides highly accurate readings that are clear and easy to read
- Accurate to within 0.02BAR (0.3PSI)
- Ideal for Automobile Dealerships, Truck Service Centers and all Service Centers currently inflating with Nitrogen
- Purge function for Nitrogen inflation
- Inflation Range: 0.5-10bar (1000kpa/145psi/10kg/cm2)
- Accuracy: +/-0.02bar (+/-0.3psi)
- Max Inlet Air Supply: 10.5bar (150psi)
- Nitrogen flow: 105.944CFM
- Supply voltage: AC 110~240V (50~60Hz)
- Watt: 12W Max.

3072



Pedestal Inflator

- Powder coated steel housing
- Auto-start and stop inflation
- Automatic purging programs. (N2P)
- Adjustable over pressure settings (OPS)
- PSI, BAR, KPA, KGF units can be selected by the user
- Clear and easy to read digital display with backlight
- Ceramic sensor is highly accurate; meets EEC/86/217 standards
- Can inflate accurately with hoses up to 50m
- Comprehensive diagnostics and error reporting
- Wall or pedestal mounting
- Inflation Range: 0.5-10bar (8-145psi)
- Accuracy: +/-0.02bar(+/-0.3psi)
- Max Inlet Air Supply: 10.5bar (150psi)
- Nitrogen flow: 105.944CFM
- Supply Voltage: 110-240VAC.(50~60Hz)
- Watt: 12w Max.
- Fuse: 1A
- Working Temperature: -10°C 50°C(14°F-122°F)

3075





9477

7pc Professional Quick Interchangeable Ratchet Crimping Tool Set

1426
1/4" Heavy Duty Hand Riveter



1427

Hand Rivet Nut Kit



9020

20pc Wire Brush Set



SHOP EQUIPMENT



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SHOP EQUIPMENT

1426

1/4" Heavy Duty Hand Riveter

- Extra long handles provide excellent leverage
- Includes 5 nosepieces: 1/8", 5/32", 3/16", 7/32", 1/4"
- Tool length 20-3/4"



I426FNP - 5-3/4" Extension Nose Piece



1423

1/4" Heavy Duty 13" Hand Riveter

- Patented structure increases power and reduces shock
- Shortest long arm riveter which can operate up to 1/4" (6.4mm) stainless steel rivets
- Shorter handle with double compound hinges that maximize leverage
- One of our most versatile and powerful hand riveters, taking the hard work out of setting large diameter blind rivets
- Ideal for working in hard-to-reach areas
- Includes 5 Nosepieces: 1/8" (3.2mm), 5/32" (4.0mm), 3/16" (4.8mm) and two pieces of 1/4" (6.4mm)

**PATENTED
STRUCTURE
INCREASES
POWER**



I423NPE - 3" Jaw Extension & 3" Nose Piece



Hand Riveter with Dial with 4 Size Head - 1/8", 5/32", 3/16" & 1/4"

1420

- This riveter has a dial with 4 sizes which works with 1/8", 5/32", 3/16", and 1/4" rivets
- Turn dial to find the correct rivet size needed for the job
- Double compound hinges maximize leverage
- Ergonomic handle
- Plastic container to collect the spent mandrels for safety and ease of disposal
- Unique hidden spring design for the return of handles automatically

**DIAL
CHANGES
NOSEPIECE
SIZE**



RIVETERS

Ergonomically Designed Micro Riveter

1421

- Only 8" in length
- Riveter comes with 4 nosepieces: 3/32" (2.4mm), 1/8" (3.2mm), 5/32" (4.0mm) and 3/16" (4.8mm)
- Riveter can pull aluminum rivets up to 3/16" (4.8mm)
- Round knurled nosepieces design eliminates the need for other tools to change nosepieces
- Locking nosepiece structure design helps prevent loss of nosepieces
- Outer sleeve with adjustable working stroke
- Jaws are made of Cr-Moly Steel for extended tool life
- Ergonomically designed for user's comfort
- International Patents Pending



1434

360° Swivel Head Hand Riveter 3/32", 1/8", 5/32" and 3/16" Nose Sizes

- Free function head which swivels 360°
- Grips are molded for comfort and control of the riveter
- Can be operated from any angle
- Rivets replace screws, bolts, brazing, soldering and welding
- Includes 4 nosepieces: 3/32", 1/8", 5/32" & 3/16"



1435

360° Swivel Head Hand Riveter Kit

- Free function head which swivels 360°
- Grips are molded for comfort and control of the riveter
- Can be operated from any angle
- Rivets replace screws, bolts, brazing, soldering and welding
- Assortment of 80 blind rivets included
- Includes 4 nosepieces: 3/32", 1/8", 5/32" & 3/16"
- Blow molded case for easy storage and transport



Hand Rivet Nut Kit - M5, M6, M8, M10 & M12

1427

- Works for rivet nuts in M5 M6 M8 , M10 & M12 sizes in aluminum steel and stainless steel
- Hand screw design for loading and unloading the nuts
- Ergonomic handle design for user's comfort
- Unique hidden spring design for the automatic return of the handles



13" Metric/SAE Hand Rivet Nut Kit with Rivet Nut Assortment

1442

- Patented structure increases power and reduces shock
- Shorter handle with double compound hinges that maximize leverage
- Includes Hand Nut/Thread Setting Riveter
- 6 interchangeable mandrel/nosepiece sets in Metric M5, M6, & M8 and in SAE 10-24, 1/4-20, & 5/16-18
- Includes 10 pieces of each of the following rivet nuts: M5, M6, M8, 10-24, 1/4-20 and 5/16-18
- Ideal for working in hard-to-reach area
- Ergonomic grip for easy operation

**PATENTED
STRUCTURE
INCREASES
POWER**



3688**3689**

Hose Reel - Automatic Rewind with Hose

- 300 psi air hose reel
- Automatic rewind
- Solid rubber stopper
- 4-way directional rollers
- 2 position roller bracket assembly
- Shipping weight: 55lbs. (25kg)
- Non-conductive hose
- Multi-position mounting arm allows for floor, wall, or ceiling mounting

SPECIFICATIONS

	3688	3689
Capacity:	3/8" x 50' Hose	1/2" x 50' Hose
Diameter:	19-1/2" (495mm)	19-1/2" (495mm)
Width:	10-1/4" (260mm)(fittings included)	10-1/4" (260mm)(fittings included)
Height:	20-3/4" (527mm)(frame)	20-3/4" (527mm)(frame)
Air Inlet:	3/8"	1/2"
Air Outlet:	3/8"	1/2"
Hose Outlet:	1/4"	3/8"

3682

3/8" x 50' Hose Reel - Automatic Rewind with Rubber Hose

- Spring located in the middle drum to ensure the stability of the whole unit
- L-shaped base with groove reinforcement ensures stable support
- 300psi air hose reel
- Automatic rewind
- Solid rubber stopper
- 4-way directional rollers
- 2 position roller bracket assembly
- Non-conductive rubber hose
- Multi-position mounting arm allows for floor, wall or ceiling mounting

SPECIFICATIONS

Capacity:	3/8" x 50' Hose
Diameter:	15" (380mm)
Width:	5.5" (140mm)
Height:	16.7" (424mm)(frame)
Air Inlet:	3/8"
Air Outlet:	3/8"
Hose Outlet:	1/4"

Deluxe Solar Auto-Darkening Welding Helmet and 13.5" Leather Welding Gloves

- Automatically changes filter screen from clear to dark in 1/25,000 second
- Variable shade adjustment - 9-13 DIN
- UV/IR Protection: Up to DIN 16 At All Times
- Great for use with MIG/MAG, TIG & ARC Welding
- Operator can adjust the time the filter returns from dark to clear
- Full face and front of neck protection
- Observation Window: 98mm x 44mm
- Goggle Assembly: 110mm x 90mm
- Automatic Power On / Off (no button to push)
- Utilizes high performance solar cells as power supply
- No change of battery is needed
- Under normal welding conditions, users can expect a battery life of more than 6 years
- Specially designed headband for greater comfort
- Meets EN, DIN, ISO & ANSI Z87.1 standards

Includes - #8085 - 13.5" Leather Welding Gloves

8075SE



8085

Deluxe Solar Auto-Darkening Welding Helmet with Bigger Observation Window and 13.5" Leather Welding Gloves

- Larger viewing area: 96MM x 62MM
- Automatically changes filter screen from clear to dark in 1/20,000 second
- Variable shade adjustment - 9-13 DIN
- UV/IR Protection: Up To DIN 16 At All Times
- Great for use with MIG/MAG, TIG & ARC Welding
- Operator can adjust the time the filter returns from dark to clear
- Automatic Power On / Off (no button to push)
- Utilizes high performance solar cells as power supply
- Battery lifetime up to 4000 hours
- Full face and front of neck protection
- Specially designed headband for greater comfort
- Meets EN, DIN, ISO & ANSI Z87.1 standards

Includes - #8085 - 13.5" Leather Welding Gloves

8077SE



8085

WELDING

8080



8080 - Complete Oxyacetylene Welding Outfit

- UL and UR approved pressure gauge

Comes Complete with:

- Torch Handle
- Cutting Attachment
- Check Valve
- Oxygen Regulator
- Acetylene Regulator
- Nozzle Tips (VM-W 0, 2, 4 • VM-C 0-3-101)
- 15' Twin Hose
- Sparklighter
- Goggles
- Tip Cleaners

8202



Universal Welding Cart

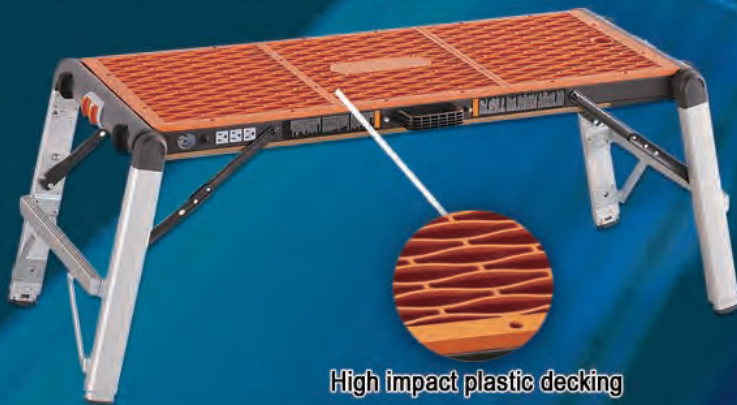
- Heavy duty steel construction
- Heavy duty casters -two 7.5" fixed & two 3" swivel
- 3 shelves for easy access to supplies
- Cart size: 27.5" (L) x 16.33" (W) x 28" (H)
- Top shelf size: 17.75" (L) x 11.5" (W)
- Bottom shelf size: 27.5" (L) x 11.5" (W)
- Weight Capacity: 176lbs. Approximately

Astro Pneumatic Tool Company

#55600 2-IN-1 Workbench / Scaffold

SCAFFOLD MODE

Workbench converts to scaffold



High impact plastic decking



INSTALLING
Work at eye level

REMODELING
Stability for better leverage

PAINING
Less up and down



CUTTING
Strong portable work bench

PAINING
Work at waist height

ASSEMBLY
Rigid, square clamping surface

WORKBENCH MODE

Versatile utility tray



Protractor and ruler for layout work



Drill-thru clearance



V-groove for cutting pipe



Square frame for easy clamping
Extra large 39.6 x 18.8 inch work surface



8330**Heavy Duty Plastic 2 Shelf Utility Cart**

- For shop, office, warehouse or medical facility use
- Has two handles on each side
- Cart can be pushed or pulled from either side
- Trays are 3-1/2" deep and can hold up to 300lbs.
- 4" swivel heavy duty casters
- Non marking tread
- Size: 16"(W) x 30"(L) x 31"(H)
- Net Weight: 21lbs. (9.52kg)

8334**2 Shelf Plastic Cart with Locking Lid - Black Color**

- Hinged lid closes and locks with a standard padlock (lock not included)
- For shop, office, warehouse or medical facility use
- Has two handles on each side
- Cart can be pushed or pulled from either side
- Trays are 4" Deep and can hold up to 300lbs.
- 4" swivel heavy duty casters
- Tread will not mark floors
- Size: 16 1/2"(W) x 27"(L) x 31"(H)
- Net weight: 26lbs. (11.79kg)

7pc Professional Quick Interchangeable Ratchet Crimping Tool Set

- Quick changing jaw design does not require any other tool to change the jaws
- Versatile kit includes 6 dies for many applications
 - A Jaw** - Insulated Terminals: for AWG 22-18/16-14/12-10 or DIN 0.5-1.0/1.5-2.5/4-6mm²
 - B Jaw** - Non-Insulated Terminals: for AWG 20-18/16-14/12-10/8 DIN 1.5/2.5/6/10mm²
 - C Jaw** - Open Barrel Terminals: for AWG 20-18/16-14/12-10 DIN 0.5-1.0/1.5-2.5/4-6mm²
 - D Jaw** - Insulated Cord-End Terminals (small AWG.): for AWG 22/20/18/16/14/12 DIN 0.5/0.75/1.0/1.5/2.5/4.0mm²
 - F Jaw** - Insulated Cord-End Terminals (Huge AWG.): for AWG 10/8/6 DIN 6/10/16mm²
 - H Jaw** - Open Barrel Terminals & D-SUB,V3.5: for AWG 14/22/8 DIN 2.5-0.5/8-10mm²
- Time saving tools allows faster crimping of terminals and wire.
- Crimper is easily operated by either left or right hand



9477

QUICK CHANGE JAWS
NO TOOL REQUIRED



CRIMPING TOOL &
GREASE FITTING
SET

ALSO SOLD SEPARATELY:

9477E6



RG Type (0.10", 0.213", 0.319", 0.360") (2.54mm, 5.41mm, 8.10mm, 9.14mm)

9477G3



8 Position 8 Contact Connector (8P8C, RJ45 Plugs)

9477H1



Spark Plug Connector (AWG17) (DINI mm²)

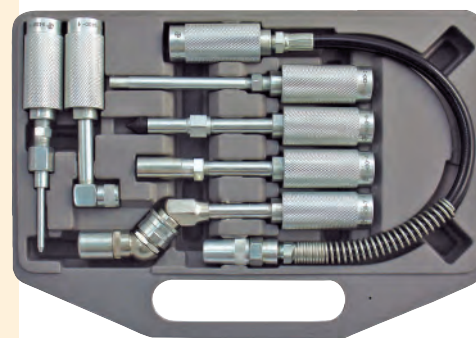
Grease Fitting Adapter Set

- Convenient set offers the most popular fittings in one kit
- Quick connect couplers
- Works with most standard grease guns

Includes:

- Press-on 90 degree angle adapter
- Straight adapter
- 12" Hose extension
- Slide-on 90 degree adapter
- Rubber tipped adapter
- Needle adapter
- 360 degree adapter

9430



7356



21 Gallon Air Operated Waste Oil Drainer

- Suitable to drain waste oil from engines, gear boxes and differentials of most vehicles
- Air operated oil drainer with center mounted adjustable collecting bowl
- Adjustable collecting bowl height to work with jack lift or servicing cock
- Equipped with collecting bowl valve to inspect drained oil before it enters the reservoir
- Self evacuating
- Warning: Do not use with corrosive or flammable products

SPECIFICATIONS

Tank Capacity:	80 Liter (21Gallon)
Collection Bowl Capacity:	20 Liter (5.2Gallon)
Collection Bowl Diameter:	420mm (16-1/2")
Maximum Height :	1940mm (76-3/8")
Minimum Height:	1280mm (50-3/8")
Draining Hose Length :	2m (1" x 79")
Max. Draining Pressure:	1Bar (14Psi)
Tank Size:	406 X 780mm (16" X 31")
Unit Dimensions:	630 X 415 X 1160mm (25" X 15" X 45")
Net Weight:	28 kgs (61.7lbs)

7351



8 Gallon Air Operated Evacuator

- Extract used oil and other fluids from any vehicle using the venture-vacuum extracting system
- Great for cars, boats, motorcycles and small engines
- Vacuum-charged unit is completely portable and easy to use
- Includes six suction probes (metal and flexible) equipped with quick-disconnect couplers for fluid extraction
- Adapters for BMW and Volkswagen are also included
- Self-evacuating feature makes emptying clean and easy

SPECIFICATIONS

Tank Capacity:	30Liter (8Gallon)
Max. Draining Capacity:	22Liter (6Gallon)
Air Pressure for Vacuum:	8Bar (120Psi)
Depressurization time:	70 sec
Noise Level:	75 db
Suction Rate:	1.5-2 Liter/m (0.4-0.5 gallon/m)
Suction Hose:	2m (79")
Draining Hose Length:	2m (79")
Max. Draining Pressure:	1Bar (14Psi)
Overall Dimensions:	380 x 310 x 930mm (15" x 12" x 37")
Net Weight:	20kgs (44lbs)

Self Centering Cone Type Flaring Kit

78270

- Capable of creating a single lap, 45° angle flare on soft copper, brass, aluminum, and mild steel tubing of 0.75mm - 1.5mm thickness
- Works on Metric sizes 6mm, 8mm, 10mm, 12mm, 14mm, 16mm & 19mm and SAE sizes 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", and 3/4" tubing
- Flaring bar special design ensures prolonged tool life
- Self Centering Feed Screw Handle is ergonomically designed for comfort and ease of operation
- Flare cone utilizes needle bearings for smooth off center rotation
- Intermediary angle design for flawless tube flaring

SELF-CENTERING
SCREW HANDLE



FLARING KIT &
TUBE CUTTER

1/8" - 1-1/4" Tube Cutter

78268

- 1/8" - 1-1/4" (4-32mm) tube cutting capacity
- Grinding blade uses high quality alloy steel for grinding process
- Unique ball bearing design makes cutting easy



9020



20pc Wire Brush Set

- Set includes 1 piece brush each in stainless steel, brass and nylon in the following sizes: 1/4", 3/8", 1/2", 5/8", 3/4" and 1"
- Choice of stainless steel, brass and nylon brushes makes this kit ideal for auto-repairing and polishing
- Suitable for polishing and cleaning areas of autos, machines, etc.
- Set includes an extension adapter with quick disconnect chuck for use with power tools
- Ergonomically designed handle with quick disconnect chuck provide a soft, comfortable grip
- All brushes have a 1/4" hex shaped quick disconnect shank. No tools needed to switch the brushes

9022



3pc Flexible Honing Brush Set

- Set includes following sizes: 1/2", 3/4" and 7/8"
- Flexible filaments with silicon carbide material are engineered to provide the correct pressure to create an ideal hone
- Great polishing tool which provides excellent result when used for deburring and edge reducing
- Great for a wide variety of automotive, hydraulic, valve, pipe and tube applications
- The brushes have a sturdy, self-centering stem
- Recommended RPM: 350rpm to 700rpm
- All brushes have a 1/4" hex shaped quick disconnect shank. No tools needed to switch the brushes

4552

3pc Soft Grip Mini Brush Set

- Includes 1 ea. brass, stainless and nylon
- Brush Dimensions: 7" x 0.5"
- Head Dimensions: 2.25" x 1.5" x 0.5"

4553

3pc Soft Grip Narrow Brush Set

- Includes 1 ea. brass, stainless and nylon
- Brush Dimensions: 7" x 0.75"
- Head Dimensions: 2.25" x 0.75" x 1"

4554

Soft Grip Nylon Scraper/Brush

- Brush Dimensions: 7.5" x 1.5"
- Head Dimensions: 2.5" x 1.5" x 1"



Astro Pneumatic Tool Company

WORLDWIND MULTI-POSITION FAN **#8710**

2 additional outlets
15 amp 3 prong plugs for
use as additional power
source CSA approved

Blows 300 cubic
feet per minute



Variable
Speed
Control Switch



Plastic pads prevent
scratching or damage
to work surface
and blower unit

8.5ft. Cord
CSA approved

• **Motor CSA approved**

• **Built-in overload protection**

9445



Titanium Step Drill Bit Set (1/8" - 1/2", 3/16" - 1/2", 1/4" - 3/4")

- Self-starting multiple hole sizes
- Contains one each of:
- 13 Hole Sizes from 1/8" to 1/2" in 1/32" increments
- 6 Hole Sizes from 3/16" to 1/2" in 1/16" increments
- 9 Hole Sizes from 1/4" to 3/4" in 1/16" increments
- All drill bits have a 1/4" hex shank for use with drills and quick change chucks

9447



25pc. Screw Extractor/Drill & Guide Set

- Extracts screws and bolts
- Can be used on thread sizes 5mm to 16mm
- Remove broken fastener without breaking or jamming
- Turns broken fasteners and screws out and permits highest torque without expansion

9448



100pc. Security Bit Set

- Essential for car, machine tool, household appliance and electronics repairs, etc.
- Hex bits sizes 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 5/32", 9/64, 1/8", 7/64", 3/32" and 5/64" are tamper proof
- Chrome vanadium adapters with satin finish

9452 (Metric)

9453 (SAE)



7pc Combination Drill/Tap Bit Set

- Designed to drill, tap and deburr all in one operation
- Single piece drill/tab bit assures proper drill for tap size
- Tapered design to prevent thread damage from over drilling
- Made from hardened high speed steel material
- includes:

1pc. magnetic bit holder and

6pc. combination drills & taps:

(9452) M3 X 0.5, M4 X 0.7, M5 X 0.8, M6 X 1, M8 X 1.25, M10 X 1.5

(9453) 6-32 NC, 8-32 NC, 10-24 NC, 10-32 NF, 12-24 NC, 1/4" X 20 NC

- For use with steel, copper, brass, aluminum, and plastics

10pc. Snap Ring Pliers Set

- Operates both internal and external rings
- Heat treated chromium-molybdenum steel
- Comfortable insulated vinyl handles
- Blow molded case for easy storage and transport
- Set Includes:
 - 5-1/2" Bent Pliers with .038" (1.0mm) Tip
 - 6" Straight Pliers with .038" (1.0mm) Tip
 - 5-1/2" Bent Pliers with .047" (1.2mm) Tip
 - 6" Straight Pliers with .047" (1.2mm) Tip
 - 7-1/2" Bent Pliers with .070" (1.8mm) Tip
 - 8" Straight Pliers with .070" (1.8mm) Tip
 - 8-1/2" Bent Pliers with .090" (2.3mm) Tip
 - 9" Straight Pliers with .090" (2.3mm) Tip
 - 1 pc. - 5" Hook Tool
 - 1 pc. - 5" Pick Tool

9401



SNAP RING
PLIERS

2pc. Large 16" Snap Ring Pliers Set

- Internal/External heavy duty Circlip Pliers Set
- Features replaceable points and spring ratchet locking mechanism to securely hold against circlip tension
- Tip Diameter: 0.12" (3mm)
- Internal = 3-1/16" - 6-1/4" (78mm - 159mm)
- External = 3-1/2" - 6-1/2" (89mm - 159mm)
- Spread: 3-1/4" (85mm)
- Length 16" (400mm)
- Tip Size 0.12" (3.0mm) - 0°, 45°, 90° Set

9402



7660



Electronic Safety Earmuffs

- LED power indicator
- On/Off switch with volume control
- Solid-state circuit
- Built-in microphone amplifies low level sound
- Eliminates noise over 85db
- Comfortable ear cushions and headband
- Powered by 2 AA batteries
- ANSI approved NRR 21 db
- CE certificated NRR 23db

7760



Cordless Circuit Tester

- This unit does not require ground wire or clip and is safe with ECMs, Sensors, Transducers, Air bags, etc.
- Designed to be used on DC powered circuits with voltages between 3 and 28 volts
- Special designed V-Tip needle allows safe piercing and prevents side-slipping when piercing wire's insulation V-Tip can be removed to test hard to reach places
- Unit works with replaceable long-life alkaline batteries
- Made of rugged chrome metal

2134

21 Pc. 3/4" Square Drive Socket Set

- Made of plated Chrome Molybdenum (Chrome Moly) industrial drop forged, heat treated 45 Steel
- Blow molded case for easy storage and transport
- Net Weight: 29lbs. (13.15kg) for #2134

• set includes:

- 1 - reversible ratchet
- 1 - flexible bar: 20"
- 2 - extension bars: 4" and 8"
- 16 - sockets 3/4" drive: 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16", 1-3/8", 1-7/16", 1-1/2", 1-5/8", 1-3/4", 1-13/16", 1-7/8", 2"

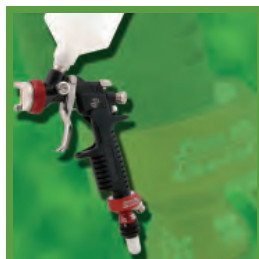
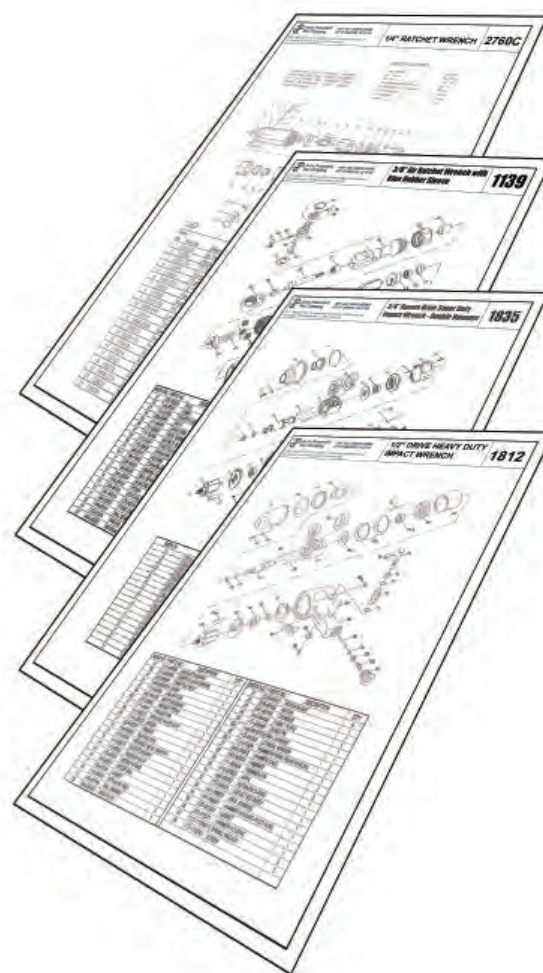


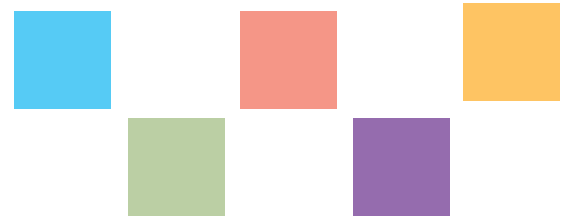
Popular Parts

Astro's parts are interchangeable with the most popular tools on the market and are guaranteed professional grade quality.

Air Tool Parts

ASTRO PART #	Description
I139-AK	3/8" Industrial Anvil Kit
I214-AK	1/4" Industrial Anvil Kit
I238-AK	3/8" Industrial Anvil Kit
I24-32	Yoke
I30-52	3/8" Standard Anvil Kit
I30-52DP	3/8" Double Pawl Ratchet Anvil Kit
I35TI-53	Rotor
I36E-4356	3/8" 10pc Anvil O-ring & Retaining Ring
I45-105	Anvil
I45-274	Valve Block Assembly
I45-RK	Repair Kit
I57-22	Anvil
I812-21	Rotor Blade
I812-22	Rotor
I812-23	Cylinder
I812-27	Hammer Frame
I812-28	Hammer
I812-29	Pin
I812-30PT	Pin Type Anvil
I812-30X	New style Anvil
I812-30XL	New style Long Anvil
I812-3132	1/2" 10pc Anvil O-ring & Retaining Ring
I812-TK	Tune-up Kit
I817-1213	1" 10pc Anvil O-ring & 10pc Retaining Ring
I835-3132	3/4" 10pc Anvil O-ring & 10pc Retaining Ring
I871-29	1/4" Anvil
I873-41	3/8" Anvil
2200-36	Yoke
2200-AK	1/4" Industrial Anvil Kit
2760C-30	Yoke
2760C-38A	3/8" Mini Ratchet Anvil Kit
555-43A	Anvil
555-43L	Long Anvil
760-44	1/4" Standard Anvil Kit
I2115-38	3/8" Anvil
I212-38	3/8" Anvil



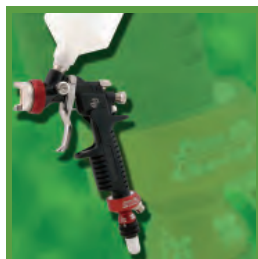


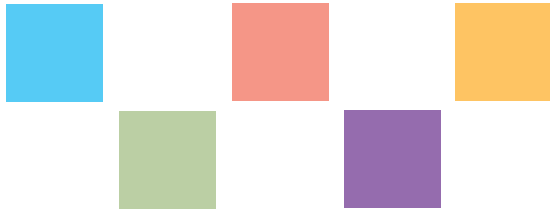
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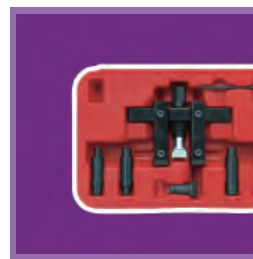
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