For 45 years, Haltec Corporation has been the leader in the tire valve industry. When underground mines were transitioning from rail wheels to rubber tires, Haltec was there to design and manufacture the tire valve systems required to meet their technical needs.

Haltec maintains its leadership position as a major manufacturer of specialized tire valve systems. Many new product innovations were introduced by Haltec, including the Full-Flo and Super Large Bore valve designs. These designs provided the tire industry the unique products required to achieve faster flow rates, decreased downtime, and more efficient tire management. The ever-increasing size of mining and construction tires further challenged Haltec engineering to design and manufacture our wide variety of valve systems to meet these demands. This includes the Mega Bore Tire Valve System, which has a flow rate twenty-five times faster than large bore valves.

Today, Haltec Corporation is recognized worldwide as the leading manufacturer of specialty tire valve systems and pressure inflation hardware. Haltec’s 45,000 square foot facility in Salem, Ohio maintains its corporate headquarters, manufacturing, design, engineering and distribution services. As an ISO 14001/2004 & ISO 9001/2008 with design certified company, Haltec Corporation’s Quality Policy is to lead the tire valve industry by meeting or exceeding industry standards and customer requirements at a competitive price. Our on-site engineering and custom design department is complemented with a state-of-the-art machine shop and soldering, fabrication, custom-bending and product assembly services, all prepared to produce products to meet your inflation and pressure maintenance needs. Haltec has refined a global network of distribution channels and continues to grow sales to its target markets.

We hope you will find this catalog easy to use and informative. We have included “Tech Tips” throughout the text, providing information on proper inflation and our products. You will also find many product innovations, like our ES-300 series airchuck. If you can’t find what you need while reviewing our catalog, please contact our Customer Service and Sales Team so we can begin engineering the solution to your tire management program.

Haltec Corporation’s products and services are designed to provide safe, efficient, and accurate tire inflation. Our goal is to provide the tire industry with the equipment and training required to enhance any organization’s “Tire Management Program.” Whether using air or nitrogen, the tire’s PSI and tread depth need to be accurate, and the method of inflation must be safe, simple, and fast.

For us, “PSI” translates to more than just one part of your inflation needs; it means “Proactive Solutions & Innovation.” When it comes to quality, we don’t limit ourselves at Haltec, and neither should you - that’s our “Haltec Complete Solution - Haltec’s PSI Promise.”

TIRE VALVE SYSTEMS & TECHNOLOGY FOR THE WORLD

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Visit Haltec stock valves for all applications: automotive, truck, bus, agricultural, and off-road.
TABLE OF CONTENTS

Mining Solutions ................................................................. 6-7
Commercial Fleet Solutions ................................................ 8-9
Passenger & Light Truck Solutions ................................. 10-11
Large Bore Valve Systems .............................................. 12-19
PT Valve Systems .......................................................... 20-21
Super Large Bore Valve Systems ................................. 22-29
Z-Bore Valve Systems .................................................. 30-33
Mega Bore Valve Systems .............................................. 34-38
O-Rings & L-Rings ....................................................... 39
Standard Bore Valves ..................................................... 40-44
Valve Extensions ............................................................. 44-46
Special Applications .......................................................... 47
Air/Liquid Valves ............................................................... 48
Liquid Fill ................................................................. 49
Valve Cores, Caps, Adapters ........................................ 50
Grommets, Hexnuts, Washers .................................... 51
Tank Valves & Bead Seaters ........................................ 52
Service Gauges ................................................................. 53-54
Digital & Dial Gauges ..................................................... 55
Gauges, Tread Depth Gauges ...................................... 56
Large Bore Tools ................................................................. 57
Large Bore Air Chucks ...................................................... 58
Standard Bore Air Chucks ........................................... 59-61
Standard Bore Valve Tools ........................................ 62-63
Inflation Gauges ................................................................. 64-67
Inflator Systems ................................................................. 68-77
Torque Control System ................................................. 78
Fleet Inspection Report .................................................. 79
Couplers & Nipples ........................................................... 80-81
Wheel Nuts ................................................................. 82-86
Tools for the Tech ............................................................. 86
Wheel Guards ................................................................. 87
Alcoa ................................................................. 88-91
Hydraulic Jacks, Equipment .................................... 92-95
Ken-Tool ................................................................. 96-101

TIRE VALVE SYSTEMS

BACKGROUND
The Super Large Bore System was introduced in 1972 and was designed to allow significantly greater air flow than the Large Bore Valve which was introduced much earlier. Today, vehicle and tire sizes are increasing again. In response to the increases in tire size, Haltec has introduced two new tire valve systems to make inflation and deflation of large tires easier and quicker than ever before: Z-Bore and Mega Bore.

SYSTEM COMPARISONS
The chart below demonstrates the general characteristics of the four valve systems:

<table>
<thead>
<tr>
<th>VALVE SYSTEM</th>
<th>FLOW RATE (CFM)</th>
<th>FITS VALVE HOLE</th>
<th>HOE SIZE THREADED</th>
<th>SPECIAL INFLATOR NEEDED</th>
<th>RECOMMENDED FOR TIRE SIZES</th>
</tr>
</thead>
<tbody>
<tr>
<td>LARGE BORE</td>
<td>22</td>
<td>13/16&quot;</td>
<td>1/2&quot; NPT</td>
<td>-</td>
<td>11.25&quot; - 25&quot;</td>
</tr>
<tr>
<td>SUPER LARGE BORE</td>
<td>240</td>
<td>13/16&quot;</td>
<td>1/2&quot; NPT</td>
<td>IN-80A/IN-95</td>
<td>20&quot; up to 57&quot;</td>
</tr>
<tr>
<td>Z-BORE</td>
<td>370</td>
<td>13/16&quot;</td>
<td>1/2&quot; NPT</td>
<td>Z12B/IN-95</td>
<td>33&quot; up to 57&quot;</td>
</tr>
<tr>
<td>MEGA BORE</td>
<td>550</td>
<td>15/16&quot;</td>
<td>3/4&quot; NPT</td>
<td>MB-8/IN-95</td>
<td>45&quot; up to 63&quot;</td>
</tr>
</tbody>
</table>

* Flow Rate is without valve core installed. With core, flow rate is 12 CFM. Flow rates on the Super Large Bore, Z-Bore, and Mega Bore Valves were tested with a 750 CFM diesel-powered air compressor with the pressure held constant at 100 PSI.

FLOW DIAMETERS:
Shown below is a cross-section of the different flow diameters on the four valve systems. How these increased air flows are accomplished, often using the same rim hole size, will be explained in further detail in this catalog:

INCREASED FLOW RATE SAVES INFLATION TIME. SUPER LARGE BORE INFLATION RATE IS MORE THAN THREE TIMES FASTER THAN LARGE BORE.
Mining Solutions:
As a manufacturer of specialized tire valve systems and pressure inflation solutions, Haltec Corporation has been the unchallenged leader in off-highway, mining, and construction tire management solutions and components for 45 years. Unique innovations designed to minimize downtime have led to the development of superior quality, precisely engineered valve systems that fill every heavy equipment need.

Haltec offers a full range of products beginning with Large Bore, and increasing to removable core Super Large Bore, Z-Bore, and Mega Bore valves that top the inflation and deflation charts at an unbelievable 550 CFM. That’s 25 times the flow rate of a large bore valve, and these valve systems are installed in most cases without increasing the original rim hole size. Also, when paired with one of our extensive line of rugged and reliable inflators, such as our 89XTC temperature compensating model, it is clear that Haltec does not stop at manufacturing just the highest quality individual components, but also offers completely designed and engineered solutions to real world challenges.

AUTOMATIC TIRE INFLATORS
89XTC Temperature Compensating Tire inflator, designed to work with an in-line temperature sensor and engineered specifically for inflating larger industrial and mining tires which are often constantly in service and always running hot.
89XTC - TEMPERATURE COMPENSATING INFLATOR PAGE 71

TIRE VALVES
R-520 is designated at tire and rim as the CH-8. It is an integral part of the system as the CH-8 is removed from the valve assembly with the Haltec IN-80A adapter to utilize the larger opening and the maximum air flow.
R-520 - SUPER LARGE BORE CORE HOUSING PAGE 25

INFLATOR
I-496-20 is the IN-95 inflator with 20’ hose. Safely removes operator away from the blast zone by using the 20’ hose. Equipped with shut off ball valve which enables operator to stop inflation for proper tire inspection.
I-496-20 - IN-95 INFLATOR WITH 20’ HOSE PAGE 67
COMMERCIAL SOLUTIONS

COMMERCIAL SOLUTIONS

COMMERCIAL FLEET SOLUTIONS

Commercial Fleet Solutions:
The need to manage a tire and rim as an asset rather than an expense is the concern of every commercial fleet manager. The trick is to find a company that can provide the combination of quality tire valve hardware and inflation equipment which can competitively and consistently provide that service. Haltec Corporation provides a complete tire valve and inflation program designed specifically for the unique needs of each fleet. Combining the TV-550 series valve with a DS-1 flow-through valve cap provides a better grommet seal for the valve and an efficient way to check and correct the PSI. When an 89XHB or 89MTIS is used in the mounting and speed lane to inflate and top-off pressure, the accuracy and efficiency of your tire management program grows. Haltec can further enhance the “fleet check” process with our web-based and Bluetooth enabled Tire Management System. Haltec can create a “Tire Inflation Solution” for any size fleet, as the Haltec Tire Management Program combines custom software with Bluetooth enabled tire inflation and tread depth tools.

To place an order, call 800.321.6471

Visit Haltec.com for more information
Passenger & Light Truck Solutions:
Haltec Supplies distributors and dealer networks with the products needed to service all makes and models of passenger and light trucks. Our diverse product offering includes the premier solution for management of our automatic tire inflators providing accurate inflation and ensuring the safety and comfort of the tire professional’s customers.

Automatic Tire Inflators
Haltec’s most popular single tire inflation system. The perfect inflation solution for any quick lube, auto dealer or tire service center. Quick, efficient, and accurate PSI.
89MXA / 89XDA - AUTOMATIC INFLATORS PAGE 69

INFLATION HOSE
24’ hose used with the 89MXA and 89XDA equipped with CH-360CP brass lock-on chuck.
89HKC-24 - 24’ STRAIGHT HOSE W/COUPLER & CH-360CP AIR CHUCK PAGE 76

Air Chucks
This chuck features the popular European-style clip with a brass 1/4” female fitting. Compact, durable and easy to use, this chuck is available either closed (CH-360) or open (CH-360-OP). Uses replacement washer LELOC-RUBBER.
CH-360OP - CLIP-ON AIR CHUCK PAGE 59

Snap in Valves
The snap-in valves are made of high quality ozone resistant rubber to withstand harsh conditions.
TV-413-1 1/4 IN. RUBBER SNAP IN PAGE 40
The Large Bore Valve System is the oldest of the four off-road tire valve systems. Below are the basic components of a Large Bore Valve System.

There are two basic spud designs:
1. The standard clamp-in spud (H-41)
2. The screw-in spud (C-10)

Into one of these spuds you screw a Large Bore Swivel Valve. While all Large Bore Valves vary in bend, length, and appearance, they all have a swivel feature. An O-ring seals into the valve spud and is tightened down with a swivel nut.

To service the inside dual there are three types of extensions offered:
1. A rigid extension (867 Series)
2. A hand-bendable extension (753S Series)
3. A flexible extension (810F Series)

All Large Bore Valves can be serviced with any of the Large Bore air chucks, gauges, and tools found in the Haltec Catalog. As with all off-road valve systems, there are many customized products available. You will also find many customized bent extensions in use.

**RIM SPUDS**

- **H-41 TUBELESS SPUD TR-SP-2**
  Fits 13/16” rim holes. Used with all Large Bore Swivel valves.

- **C-10 LARGE BORE SCREW-IN SPUD TR-SP-3**
  Screws into a 1/2” NPT tapped hole in the rim. Can be replaced without dismounting tire.
SPECIAL HYDROFLATING VALVES
Designed for faster filling of tires with liquid. Does not contain valve core. Straight-through 5/16" opening is sealed with special O-ring cap No. A-151. Used on loader tire in conjunction with similar Large Bore Air Valve.

AIR WATER VALVE
Used in conjunction with WH-330-J-694 Large Bore valve.

LARGE RADIUS, HIGH BEND AIR VALVE USED WITH 9775
All valves fit 1 3/16" valve hole. Uses A-165 valve core and A-149 cap.

LARGE RADIUS, HIGH BEND AIR LIQUID VALVE
Uses Super Large Bore T-81 spud (TR-SP-8). Uses A-151 cap.
TO PLACE AN ORDER, CALL 800.321.6471 VISIT HALTEC.COM FOR MORE INFORMATION

SUPER LARGE BORE AIR-LIQUID VALVE

LARGE BORE VALVE SYSTEMS

TURRET VALVE FOR PLANETARY GEAR WHEELS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TR NO.</th>
<th>ANGLE BEND 1</th>
<th>OFFSET</th>
<th>HORIZONTAL LENGTH</th>
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<tr>
<td>WH-330-J600</td>
<td>2.600</td>
<td>2 14.3</td>
<td>4 11/16</td>
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<td>WH-330-J603</td>
<td>2.603</td>
<td>20</td>
<td>1</td>
<td>25.4</td>
<td>177.1</td>
</tr>
</tbody>
</table>

WH-44 LENGTHS RIGID EXTENSION FOR DOUBLE SPUD

Can be ordered in any length.

DS-385
For rims with valve hole counterbore on O.D. of rim.

DS-390
For rims with 1/2" tapered pipe thread rim hole.

H-43 Double Spud plug

TURRET VALVE FOR PLANETARY GEAR WHEELS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TR NO.</th>
<th>ANGLE BEND 1</th>
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<th>HORIZONTAL LENGTH</th>
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<td>WH-330-J609</td>
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<tr>
<td>WH-330-J603</td>
<td>2.603</td>
<td>20</td>
<td>1</td>
<td>25.4</td>
<td>177.1</td>
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</table>

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For rims with valve hole counterbore on O.D. of rim.

DS-390
For rims with 1/2" tapered pipe thread rim hole.

H-43 Double Spud plug

LARGE BORE VALVE SYSTEMS

HAND-BENDABLE EXTENSIONS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>EFFECTIVE LENGTH</th>
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<tr>
<td>T205-3 1/2</td>
<td>3 1/2 88.9</td>
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<td>9 238.8</td>
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<td>T205-23 1/2</td>
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<td>T205-24 1/2</td>
<td>24 1/2 622.3</td>
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<tr>
<td>T205-25</td>
<td>25 635.3</td>
</tr>
<tr>
<td>T205-25 1/2</td>
<td>25 1/2 649.3</td>
</tr>
<tr>
<td>T205-26 1/2</td>
<td>26 1/2 662.8</td>
</tr>
</tbody>
</table>

HAND-BENDABLE

Equipped with 2 lock nuts and 3/4" hex sealing nut. A Teflon gasket seals on end of valve, the lead seal in the sealing nut is forced into the threads for a second seal, positively locking extension to valve. Cap and core not included. They should be removed from valve and transferred to extension. The extension should be anchored to rim. Other lengths can be ordered.

TECH TIP
THE BEND OF THE EXTENSION AND THE VALVE IT ALSO ACTS AS A LOCK, TO KEEP THE EXTENSION FROM COMING LOOSE.

FOR SHIPPING PURPOSES, THE 463 SEALING NUT IS SCREWED ONTO THE EXTENSION, BUT WHEN IN USE MUST BE MOVED TO THE VALVE BEFORE INSTALLING THE EXTENSION.

TECH TIP
THE 3/4" HEX SEALING NUT, 463, IS INCLUDED WITH EACH EXTENSION. THE NUT COMES WITH A WASHER THAT FORMS A TIGHT SEAL BETWEEN THE EXTENSION AND THE VALVE. IT ALSO ACTS AS A LOCK, TO KEEP THE EXTENSION FROM COMING LOOSE.

SHIPPING PURPOSES, THE 463 SEALING NUT IS SCREWED ONTO THE EXTENSION, BUT WHEN IN USE MUST BE MOVED TO THE VALVE BEFORE INSTALLING THE EXTENSION.

STRAIGHT VALVES

H-41 Tubular spud, used with all Large Bore swivel valves. Fits 1 1/2” rim hole.

H-42 Straight valve, equipped with core and hex cap.

H-45 Spud and valve complete. Consists of H-41 & H-42

TECH TIP
THE ULTIMATE FLOW RESTRICTION IN ANY INFLATION/DEFLATION SERVICE IS THE DIAMETER OF THE VALVE AND/OR VALVE CORE.

DETAILED SPECIFICATIONS

LARGE BORE VALVE SYSTEMS

DESIGNED, ENGINEERED & MANUFACTURED USA

All Valves Complete With Core, Cap, Spud Nut, and O-Ring

DS-400-LENGTH
This Large Bore double spud valve eliminates most of the plugging of Large Bore valves, which occurs at the bend of the swivel-type Large Bore valve.

WH-44 LENGTHS RIGID EXTENSION FOR DOUBLE SPUD
Can be ordered in any length.

DS-385
For rims with valve hole counterbore on O.D. of rim.

DS-390
For rims with 1/2" tapered pipe thread rim hole.

H-43 Double Spud plug

LOADER TIRE VALVE T-670
Loader tire valve complete with core, hex cap, and O-ring seal. Thread size is 1 1/16"-12.

LOADER TIRE VALVE

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>HEIGHT</th>
<th>CAP</th>
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<tbody>
<tr>
<td>T970</td>
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</table>

TANK VALVE H-47
Screw-in type valve with 1/4" male pipe thread. Complete with core and cap.

TANK VALVE

<table>
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<td>H-47L</td>
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</table>

TECH TIP
THE 3/4" HEX SEALING NUT, 463, IS INCLUDED WITH EACH EXTENSION. THE NUT COMES WITH A WASHER THAT FORMS A TIGHT SEAL BETWEEN THE EXTENSION AND THE VALVE. IT ALSO ACTS AS A LOCK, TO KEEP THE EXTENSION FROM COMING LOOSE.
SUPER LARGE BORE AIR-LIQUID VALVE

LARGE BORE VALVE SYSTEMS

EXTENSIONS

RIGID BRASS EXTENSIONS

<table>
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<th>HALTEC NO.</th>
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FLEXIBLE EXTENSIONS

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CUSTOM-BENT SWIVEL VALVES AND EXTENSIONS FOR CATERPILLAR (OE VALVES)

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>OVERALL LENGTH (&quot;)</th>
<th>NUMBER OF BENDS</th>
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LARGE BORE SCREW-ON VALVES FOR INNER TUBES

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H-4000 ADAPTER

H-4000 adapter converts tubes having SP-1000 type spud to accept Large Bore swivel valves. Equipped with RH-18 washer and used with rim slots. H-4000-1 Adapter Saws is H-4000 except without bridge washer and hex nut.

These valves are supplied in straight or bent form ready for installation on tubes. Equipped with A-145 valve core and A-149 hex cap. Used with SP-1000 tube spud.

H-4000

H-4000-1
PT GAUGE
The PT Valve System is a design that allows tire pressure to be monitored with an easy-to-read, liquid-filled, dial gauge attached to the valve. PT gauge is ordered separately. Comes with gauge and nut. Calibrated 0-160 PSI.

The PT valve and gauge can be used on most Large Bore, Super Large and Z-Bore applications.

This gauge mounts on specially designed PT-style valves which allow visual tire pressure checks yet also allows for inflation, deflation, and manual pressure checks without removing the gauge.

The PT gauge has an all-anodized aluminum body and is completely sealed to prevent moisture from fogging the glow-in-the-dark dial.

The PT Gauge is liquid filled to prevent damage from vibration.

PT BLOCK-OFF COLLAR
When the gauge is not being used, a PTC block-off collar can be installed to prevent air leakage. 5/8” hex.

PT-R-520
All PT valves have trouble-free, urethane O-rings on the valve barrel. For Super Large Bore applications, order the PT-R-520 core housing. Compatible for use with the IN-80A and IN-95.

PT-EX
Large Bore extension with 1 5/8” effective length to allow PT Gauge installation on existing valves.

PT-EX-DP
Same as above, but comes equipped with internal deflector pin, therefore the core does not need to be moved from the valve.

PT-330-3 1/2
Turret-style valve with 3 1/2” effective length A-150

• Other Valves and Sizes Available
• To order other valves add the prefix “PT” to the Haltec valve number
• Assemble the valve to the tire and wheel assembly before installing the PT gauge to the PT valve.

PT Z45-6
PT Z-Bore style valve with 6” effective length for Super Large Bore A-150

PT Z535-6
PT Z-Bore style valve with 6” effective length for Super Large Bore A-150

TL-634
Tightens nut to hold PT gauge on valve assembly. Also tightens A-150 cap and PTC collar.

PT Z10 Z-BORE CORE HOUSING
All PT valves have trouble-free, urethane O-rings on the valve barrel. For Z-Bore applications, order the PT-Z10 core housing. Compatible for use with the Z12-8 and IN-95A.

PT GAUGE WITH VALVE

TECH TIP
A SPECIALLY DESIGNED TIRE VALVE ALLOWS FOR CONSTANT VISUAL PRESSURE CHECKS. IN ORDER TO USE PT GAUGE YOU MUST USE A SPECIAL PT TIRE VALVE.

When ordering valves for steering rim assemblies, check the rear length measurement (RL) so the device will clear the valve lug. This is important on some front truck rims and rear forklift or container-mover tires.

PT GAUGE ON VALVE (SIDE VIEW)

TECH TIP
AFTER FUEL, TIRES ARE OFTEN A FLEET’S LARGEST EXPENSE. THE BEST WAY TO ENSURE MAXIMUM TIRE LIFE IS THROUGH PROPER TIRE INFLATION. USING A PT VALVE AND GAUGE ASSEMBLY, TIRE PRESSURE MONITORING HAS NEVER BEEN EASIER. USE THE PT GAUGE FOR DAILY CHECKS AND A SEPARATE MASTER GAUGE FOR WEEKLY CHECKS AND YOU WILL CATCH AIR LOSS BEFORE IT CAN CAUSE PERMANENT TIRE DAMAGE.

BY SELECTING THE RIGHT PT VALVE FOR THE APPLICATION, A GAUGE CAN BE INSTALLED ON VIRTUALLY ANY MACHINE WITHOUT THE GAUGE ASSEMBLY BEING VULNERABLE TO DAMAGE. ON SOME JOB SITES AIR PRESSURE ALMOST NEVER GETS CHECKED UNTIL IT IS VISUALLY NOTICED AND BY THIS TIME PERMANENT TIRE DAMAGE HAS OCCURRED. THE PT VALVE AND GAUGE ASSEMBLY WILL RAISE THE AWARENESS LEVEL OF MACHINE OPERATORS, MAKING IT EASIER FOR THEM TO RECOGNIZE A LOW TIRE BEFORE DAMAGE HAS BEEN DONE.

A SPECIALLY DESIGNED TIRE VALVE ALLOWS FOR CONSTANT VISUAL PRESSURE CHECKS. IN ORDER TO USE PT GAUGE YOU MUST USE A SPECIAL PT TIRE VALVE.

1 3/8”

When ordering valves for steering rim assemblies, check the rear length measurement (RL) so the device will clear the valve lug. This is important on some front truck rims and rear forklift or container-mover tires.

PT GAUGE ON VALVE

The PT Valve System is a design that allows tire pressure to be monitored with an easy-to-read, liquid-filled, dial gauge attached to the valve. PT gauge is ordered separately. Comes with gauge and nut. Calibrated 0-160 PSI.

The PT valve and gauge can be used on most Large Bore, Super Large and Z-Bore applications.

This gauge mounts on specially designed PT-style valves which allow visual tire pressure checks yet also allows for inflation, deflation, and manual pressure checks without removing the gauge.

The PT gauge has an all-anodized aluminum body and is completely sealed to prevent moisture from fogging the glow-in-the-dark dial.

The PT Gauge is liquid filled to prevent damage from vibration.

PT BLOCK-OFF COLLAR
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PT-R-520
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PT-EX
Large Bore extension with 1 5/8” effective length to allow PT Gauge installation on existing valves.

PT-EX-DP
Same as above, but comes equipped with internal deflector pin, therefore the core does not need to be moved from the valve.

PT-330-3 1/2
Turret-style valve with 3 1/2” effective length A-150

• Other Valves and Sizes Available
• To order other valves add the prefix “PT” to the Haltec valve number
• Assemble the valve to the tire and wheel assembly before installing the PT gauge to the PT valve.

PT Z45-6
PT Z-Bore style valve with 6” effective length for Super Large Bore A-150

PT Z535-6
PT Z-Bore style valve with 6” effective length for Super Large Bore A-150

TL-634
Tightens nut to hold PT gauge on valve assembly. Also tightens A-150 cap and PTC collar.

PT Z10 Z-BORE CORE HOUSING
All PT valves have trouble-free, urethane O-rings on the valve barrel. For Z-Bore applications, order the PT-Z10 core housing. Compatible for use with the Z12-8 and IN-95A.

PT GAUGE WITH VALVE
SUPER LARGE BORE VALVE SYSTEMS

The Super Large Bore Valve System was developed in 1972. There are four parts to the valve and a unique inflator is also needed to maximize the air flow.

1. There are three spud designs:
   a. The standard clamp-in spud (T-81/T-82)
   b. The screw-in spud (C-100/C-134/C-155)
   c. The angle screw-in spud (S-85)

2. The next component is the swivel angle connector which threads onto the spud. There are different angles and lengths to accommodate the requirements of the customer (R-525 Series).

3. The next component is a flexible extension which can be made in any length. (MT-3000 Series)

4. The core housing makes up the final component. It contains a Large Bore Valve Core for servicing the tire assembly for routine pressure checks and allows the complete core housing removal for the Super Large Bore application. It can also be installed in any of the previous components for a shorter valve. (R-520)

5. To maximize air flow, an IN-80A or an IN-95 inflator is used to remove the core housing during inflation and deflation. A kit to allow extension assembly in the field is available. Rigid extensions are also available. The Super Large Bore Valve System is more than three times faster than a Large Bore Valve.

CLAMP IN SPUDS
T-81 CLAMP-IN SPUD
Fits the 13/16” diameter valve hole. The T-81 spud (TR-SP8) can attach any Super Large Bore valve to the rim through a standard valve hole (13/16” diameter). Tire must be dismounted to change spud.

T-82 CLAMP-IN SPUD
Similar to the T-81 spud but with an effective length 1/4” longer.

SCREW-IN SPUDS 1/2” & 3/4”NPT TAPPED HOLE
S-85 ANGLE SCREW-IN SPUD
S-85 angle screw-in spud. Fits 1/2” NPT tapped hole. 85° bend angle. Other angles available.

S-85’D ANGLE SCREW-IN SPUD
Furnished with a locking nut with a teflon seal so direction can be reversed. 85° bend angle.

SLB-85 3/4” NPT SUPER LARGE BORE ANGLE SPUD
Screw-in spud. Fits 3/4” NPT tapped rim hole 85° bend.

C-100 SCREW-IN SPUD
The screw-in spud is used to attach any of the Super Large Bore valves to the rim and is designed to screw into a 1/2” NPT tapped rim hole. The spud can be changed without dismantling the tire. C-100 has internal threads for core housing. C-155 has no internal thread.

C-155 SCREW-IN SPUD
Same as C-100 but has no internal thread.

C-134 3/4” NPT SCREW-IN SPUD
3/4” NPT Screw-in spud

TECH TIP
THREAD SEALANT SHOULD ALWAYS BE USED ON PIPE THREADS.

NINETY FIVE PERCENT OF LARGE BORE VALVES USE 13/16” ID VALVE HOLE.
2 SWIVEL ANGLE CONNECTOR

Component two of the Super Large Bore System is generally a swivel connector that screws on the spud.

Connectors of various angles and lengths are available.

The other end of the connector accommodates an MT-3000 Flexible extension which attaches to the R-520 core housing or the 6185 check valve.

R-525

MT-3000

Extension Length

3 MT-3000 FLEXIBLE EXTENSION SERIES

Flexible extensions are made up in any length to allow the extension to fit the wheel configuration. The specially designed fittings and thermoplastic hose will not fatigue or crush during service. Corrosion problems are eliminated. Another important benefit of the Haltec Super Large Bore System is the ability to customize your extension in the field. The R-969K and R-969K-1 kits are available to field assemble your own flexible extensions with the T-620 assembly tool.

SLBHAT

This tool is used to assemble Super Large Bore Flexible valves. The tool uses hydraulic power supplied by one of the air hydraulic pumps and does the work of pulling the mandrel through the hose fittings. It is fully portable and can be used anywhere an air hydraulic pump is available. See air hydraulic pumps on page 94.

4 CORE HOUSING OR CHECK VALVE

R-520 (TR-CH-8) CORE HOUSING COMPLETE WITH CORE AND A-149 CAP

The R-520 is designated at Tire and Rim as the CH-8. It is an integral part of the system as the CH-8 is removed from the valve assembly with the Haltec IN-80A adapter to utilize the larger opening and the fullest flow.

R-520

R-520B CORE HOUSING COMPLETE WITH CORE AND A-150 CAP

The R-520B is designated at Tire and Rim as the CH-8. It is an integral part of the system as the CH-8 is removed from the valve assembly with the Haltec IN-80A adapter to utilize the larger opening and the fullest flow.

A-449 SUPER LARGE BORE PROTECTIVE CAP

Locks the R-520 in place and cannot be removed until the A-449 is removed. Adds extra security by keeping the R-520 core housing in place deterring the tire from going flat. Protects the 11/16-24 thread on the valve.

A-449

A-449

R-520

R-520B

ASSEMBLY KIT FOR SUPER LARGE BORE VALVES FIELD SERVICE

R-969K-1

Consists of R-762S swivel connector, R-763 straight tubing connector, R-764R (2) tubing connector sleeves, and R-222 nuts (2).

R-969K

Consists of the above plus the R-520 core housing complete with core and cap.

R-760

Extension tubing - available in 50' and 100' lengths. For proper field assembly, cut R-760 hose 2 1/4" shorter than required length and complete with swivel angle connectors and core housing.

R-760

R-762S

R-762R

R-764R

R-222

TL-800 CORE HOUSING REPLACEMENT TOOL

Safely removes and replaces the R-520 core housing without losing pressure in the tire. Brass ball valve made of corrosion-resistant brass.

SLBHAT

This tool is used to assemble Super Large Bore Flexible valves. The tool uses hydraulic power supplied by one of the air hydraulic pumps and does the work of pulling the mandrel through the hose fittings. It is fully portable and can be used anywhere an air hydraulic pump is available. See air hydraulic pumps on page 94.

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### Inflator Adapter

**IN-80A Super Large Bore Inflator Adapter**

The Haltec design of the Super Large Bore inflator adapter offers many advantages:

- 1/2" pipe thread for easy air hose connection. During inflation, air pressure in the tire can be checked through the stem knob with a tire pressure gauge.
- Reduces inflation time 60%, deflation time 80%.
- The core housing is held in a stainless steel extractor by a snap ring.
- Extractor is rugged enough so that the core housing can be loosened or tightened without being damaged. The IN-80A inflator adapter saves time by fast inflation or deflation on a tire. After removing the valve cap, the inflator is screwed onto the valve stem. The inflator stem is pushed in to engage the flats on the core housing. By rotating the stem counter clockwise, the core housing can be loosened without any danger to the person removing it. The core housing is pulled up into the inflator body and held there during inflation or deflation. Can also be used for liquid filling thru equipped with Super Large Bore valves.

#### IN-80A Parts List:

- G-201 Ejector Union
- E-3100-4A Adapter Body
- G-206 Gasket for E-3100-1
- 8807N-4 Cap Adapter
- E-3100-1 1 Piece Stem and Collet
- G-202 Gasket for G-201
- G-204 Snap Ring for Collet
- A-145 Large Bore Valve Core
- 5TT Standard Bore Cap

### Muffler for In-80A

Muffles sound which protects the hearing of operator while deflating the tire. 1/2" fitting attaches to the IN-80A inflator. Decibel rating between 17-25 DBA.

#### New

**B050121005**

### Nut and Bolt Thread Cleaning Kits

Portable on-site thread cleaners provide a fast and efficient way to clean your studs before the nuts are removed using a 1/2” cordless, electric or air powered drill.

#### NBTC-1 Small Kit Includes:

- 1”, 1 1/4”, 1 1/2”, 1 3/4”, 2”, 2 1/4”, 2 1/2” external threads
- A small spare brush package of 12

#### NBTC-2 Large Kit Includes:

- 4", 4 1/2", 5", 5 1/2”, 6” external threads
- 4", 4 1/2”, 5”, 5 1/2”, 6” internal threads
- A large spare brush package of 12

### Rigid Metal Swivel Valves

- **MR-800 Swivel Valve**
  - MR-800 Length. Rigid metal swivel valve with R-520 core housing and (2) B-222 lock nuts. Can be ordered in different lengths.

- **MR-850 Swivel Valve**
  - MR-850 Length. Same as MR-800 except with a T-81 rim spud.

- **MR-890 Turret Valve**
  - MR-890 Length. Rigid metal turret type valve with R-520 core housing, B-222 lock nuts [3].

- **M-2000 Swivel Valve Assembly**
  - A 90° swivel valve having 3 1/8” horizontal length.

### Custom Valves

Custom valves can be formed with any bends and lengths to fit specific applications.
SUPER LARGE BORE AIR-LIQUID VALVE FOR TRACTOR & GRADER

M-5000 VALVE ASSEMBLY
Screw-in type spud with O-ring seat. R-521 core housings not interchangeable in other Super Large Bore spuds. Thread size is 3/4” - 16.

M-1870 VALVE ASSEMBLY
Super Large Bore straight valve assembly consists of R-520 core housing and T-81 spud.

N-1050 VALVE ASSEMBLY
Same as M-1870 but with T-82 spud.

H-50 (TR-F-910)
Straight Valve Assembly Components T-81 spud and R-372 core housing.

R-372 (CH-16)
Fits T-81, C-100 & 3P816 tube spud.

TECH TIP
THE FLOW OF THE LARGE BORE VALVE IS THREE TIMES MORE AIR THAN THE STANDARD BORE VALVE. THE SUPER LARGE BORE VALVE IS FOUR TIMES MORE AIR THAN A LARGE BORE VALVE.

MEASURED IN COST OF DOWNTIME AND THE COST TO SERVICE LARGE OFF-THE-ROAD TIRES, SUPER LARGE BORE IS A BARGAIN.

AS THE TREND CONTINUES TOWARD LARGER VEHICLES WITH LARGER TIRES, THE NEED IS FOR FASTER, MORE EFFICIENT TIRE SERVICING. SUPER LARGE BORE FILLS THAT NEED. FOR EVEN FASTER AIR FLOW, SEE THE MEGA BORE VALVE SYSTEM ON PAGE 34 OR THE Z-BORE ON PAGE 30.
Z-BORE VALVE SYSTEMS

The Z-Bore Valve System is very similar to the Super Large Bore System. By using an O-ring seal to clamp the spud to the rim, a greater flow diameter is created without sacrificing strength or performance.

There are three basic spud designs:
- The standard clamp-in spud (Z2)
- The screw-in spud (Z1)
- The angle screw-in spud (Z4)

The second component is the swivel angle connector which threads onto the spud. As with Super Large Bore Valves, you can install a core housing into the spuds to make a valve.

The Z-Bore Flexible Extension can be made in various lengths.

The core housing is the final component. It contains a Large Bore Valve Core for servicing the tire assembly for routine pressure checks and allows the complete core housing removal for the Z-Bore application.

To maximize air flow, a Z12-B or IN-95 inflator is used to remove the core housing during inflation and deflation. This inflator operates like the Super Large Bore Inflator.

Like Super Large Bore Extensions, you can use a kit to allow extension assembly in the field. Rigid extensions are also available.

Z-Bore flows 370 CFM compared to 240 CFM on the Super Large Bore Valve System.

RIM SPUDS

There are three spud types available: the standard clamp-in spud, a screw-in spud, and an angle screw-in spud.

The Z-Bore Valve System is very similar to the Super Large Bore System. By using an O-ring to seal the clamp-in spud to the rim, a greater flow diameter is created without sacrificing strength or performance.

Z2 CLAMP-IN SPUD
Fits the 13/16” diameter valve hole. The Z-2 spud can attach any Z-Bore valve to the rim through a standard valve hole (13/16”). Tire must be dismounted to change spud.

Z1 SCREW-IN SPUD
The screw-in spud is used to attach any of the “tapped” Valves to the rim and is designed to screw into a 1/2” NPT-tapped hole. The spud can be changed without demounting the tire.

Z13 SCREW-IN SPUD
The Z-13 screw-in spud screws into the 3/4” NPT-tapped rim hole and converts Mega Bore to Z-Bore.

Z4 ANGLE SCREW-IN SPUD
Fits 1/2” NPT-tapped rim hole. 85° bend angle.
2 ANGLE CONNECTORS

The second component is the swivel angle connector which threads onto the spud. As with Super Large Bore valves, you can install a core housing into the spuds to make a valve.

ANGLE CONNECTORS

Connectors of various angles and lengths are available. The connector accommodates a flexible extension which attaches to the Z-10 core housing.

ANGLE CONNECTORS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>ANGLE</th>
</tr>
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<tbody>
<tr>
<td>Z3-60</td>
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<td>Z3-75</td>
<td>75°</td>
</tr>
<tr>
<td>Z3-90</td>
<td>90°</td>
</tr>
</tbody>
</table>

3 THE Z-BORE FLEXIBLE EXTENSION CAN BE MADE IN VARIOUS LENGTHS

Flexible extensions are made in any length to allow the extension to fit the wheel configuration. The specially designed fittings and thermoplastic hose will not fatigue or crush during service. Corrosion problems are eliminated. Another important benefit of the Haltec Z-Bores System is the ability to customize your extension in the field. The ZFAK field assembly kit is available to field assemble your own flexible extension with the Z5 assembly tool.

HT-Z-100 HIGH TEMP SLEEVE

Used to protect Z-100 tubing.

KOMATSU EXTENSIONS

<table>
<thead>
<tr>
<th>KOMATSU NO.</th>
<th>HALTEC NO.</th>
<th>NOTES</th>
</tr>
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<tbody>
<tr>
<td>PC0651</td>
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<td>Old Style</td>
</tr>
<tr>
<td>PC0661</td>
<td>ZBF-0664</td>
<td>New Style</td>
</tr>
</tbody>
</table>

4 Z10 CORE HOUSING

Complete with Core and Cap, the Z10 is an integral part of the system as the Z10 is removed from the valve assembly with the Haltec Z12-B Inflator to utilize the larger opening and the fullest flow.

5 Z12-B INFLATOR

To maximize air flow, a Z12-B inflator is used to remove the core housing during inflation & deflation. This inflator operates like the IN-80A Super Large Bore inflator as seen on page 26.

Z12-B PARTS LIST:

- Z55 Ejector Union
- G-202 Gasket for Z11
- MB-60P Gasket for 255
- G-206 Snap Ring for Collar
- E-3100-1 piece Stem & Collar
- G-206 Gasket for Stem Nut
- 8807N-4 Cap Adapter
- 57FT Standard Bore Cap

KOMATSU EXTENSIONS

<table>
<thead>
<tr>
<th>KOMATSU NO.</th>
<th>HALTEC NO.</th>
<th>NOTES</th>
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</tr>
<tr>
<td>PC0661</td>
<td>ZBF-0664</td>
<td>New Style</td>
</tr>
</tbody>
</table>

B070121007 FOR Z12-B

Muffles sound which protects the hearing of operator while deflating the tire. 3/4" fitting attaches to the IN-95 inflator. Decibel rating between 17-25 DBA.
The Mega Bore Valve System is unique because it uses a different hole size than other valve systems. There are several other features which make this system unique.

There are three types of rim spuds:

a. The clamp-in spud for the 15/16” rim hole.
b. The angled screw-in spud for the 3/4” NPT rim hole.
c. Screw-in spud for the 3/4” NPT rim hole.

The second component is an angle connector which screws onto the clamp-in or the screw-in spud. The rigid Mega Bore Valve can be screwed into the angle adapters and angle screw-in spuds.

The next component is either the rigid Mega Bore Valve or the Mega Bore Flexible Valve which has the Retractable Core Housing permanently assembled to the extension. The original Mega Bore Valves have a retractable, but not removable, core housing. The new style mega bore valves use a removable core housing similar to Super Large Bore and Z-Bore.

There is also a unique cap to the Mega Bore System to protect the side vent air holes and threads of the valve.

To maximize air flow, an MB-8 inflator is used to retract the core housing during inflation and deflation. For routine pressure checks you can still use any Large Bore pressure gauge or air chuck. The new style mega bore valve utilizes the IN-95 for inflation and deflation.

Like the Super Large Bore and the Z-Bore Valve Systems, the Mega Bore Flexible Extensions can be field assembled. Mega Bore flows 550 CFM compared to 240 CFM on the Super Large Bore System.
3 VALVES

**MB-14 RIGID MEGA BORE VALVE**
Rigid Mega Bore valve can be screwed into any Mega Bore angle connector or screw-in spud.

**MB-27 FACE SEAL MEGA BORE VALVE**
Rigid Mega Bore valve can be screwed onto MB-29 angle connector or Caterpillar O-ring face seal hydraulic fittings.

**FMB LENGTH MEGA BORE FLEXIBLE VALVE**
Screws into the Mega Bore angle connectors or screw-in angle spud. Can be made in any length (minimum 8”). The specially designed fittings and thermoplastic hose will not crush or fatigue during service. Large Bore threads on the core housing allow use of Large Bore pressure gauges.

**MBV-LENGTH**
Screws into the Mega Bore angle connectors or screw-in angle spud. Made to length in the field using the MBAT assembly tool. MB-14 screws into the end to complete the valve.

4 CAPS

**MB-25 HEX CAP**
Cap for the Mega Bore core housing. Protects core housing from damage. Has an O-ring seal. Has modified Hex that can be installed or removed using the TL-700.

**MB-13 VALVE CAP**
Cap for the Mega Bore core housing. Protects core housing from damage. Has an O-ring seal.

5 INFLATOR

**MB-8 INFLATOR**
The MB-8 Mega Bore inflator attaches to the valve body by turning the knurled nut on the inflator in a clockwise direction. The 3/4” ball valve is used to open and close the airflow after the core housing is retracted with the TL-700.

**MB-56 RIGID MEGA BORE VALVE**
Rigid Mega Bore valve can be screwed into any Mega Bore angle connector or screw-in spud. With removable core housing.

**TL-700 TOOL**
The TL-700 fits the Mega Bore core housing to retract the housing for inflation and deflation. The TL-700 should be used only in conjunction with the MB-8 Mega Bore inflator. The MB-8 inflator should be engaged on the core housing before using the TL-700.

**MBRC-8 MEGA BORE VALVE REMOVABLE CORE HOUSING 8”**
Mega Bore flexible valve with removable core housing. Can be made in any length (minimum 8”). Can be assembled in field.

**HT-R-761 HIGH TEMP SLEEVE**
Used to protect R-761 tubing.

**HT-R-761**

**HT-R-761 HIGH TEMP SLEEVE**
Used to protect R-761 tubing.

**TL-700**

**MB-8 INFLATOR**
The MB-8 Mega Bore inflator attaches to the valve body by turning the knurled nut on the inflator in a clockwise direction. The 3/4” ball valve is used to open and close the airflow after the core housing is retracted with the TL-700.
**COMPONENTS FOR MEGA BORE FLEXIBLE VALVE FIELD ASSEMBLY**

- MB-20-2
- MB-50
- MB-51
- MB-5A
- MBAT Assembly Seal

For proper field assembly, cut R-761 hose 2 3/4” shorter than required length and complete with angle connectors and core housing.

**6 INFLATOR**

**IN-95 INFLATOR ADAPTER**

Haltec Model IN-95 Inflator Adapter for Air or Liquid Filling of Large Earthmover Tires when Equipped with Super Large Bore, Z-Bore, and Mega Bore Valves.

The IN-95 will insert or extract an R-372, R-520, Z10, or an MB-50 core housing and positively hold it up in the adapter body out of the air or liquid flow when filling or evacuating a tire. The adapter can be attached to any liquid or air filling tire pump since it has 3/4” pipe thread. With the adapter attached to the valve, the pressure in the tire can be checked without disconnecting it from the valve, with a large bore gauge, through the end of the adapter stem. AE IN-95 parts are brass except the collet, which is stainless steel and the hand knobs, which is aluminum.

**IN-95 TRAVERSE INSTRUMENTS (P/N 45-130)**

The primary purpose of the L-ring seal is to create an air seal where the tire bead and rim bead seat are not completely compatible. Some of the examples where the L-seal will prove useful:

- Where, during initial inflation, the bead seating is very difficult.
- Where you have an irregular butt weld in the knurled bead seat area.
- Where the tire bead and rim bead seat are not completely compatible. Some of the examples where the L-seal will prove useful.

**PROPER USE OF HALTEC L-RING SEALS**

- Always follow the respective manufacturers’ recommendation for proper bead lubrication and initial air pressure to properly seat beads.
- If you have any questions regarding the use of the L-Ring Seals, contact Haltec prior to attempting any installation.

**CIRCULAR RING SEALS FOR EARTHMOVER RIMS**

- L-RING SEALS FOR EARTHMOVER RIMS
- **O-RINGS & L-RINGS**
- **STANDARD AND ARCTIC O-RINGS FOR TUBELESS RIMS**
- **IN-95 INFLATOR ADAPTER**

**STANDARD AND ARCTIC O-RINGS FOR TUBELESS RIMS**

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TIRE TYPE</th>
<th>RIM SIZE</th>
<th>ROD DIAMETER</th>
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<tr>
<td>DR-21-T</td>
<td>Highway</td>
<td>21&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>DR-25-T</td>
<td>Earthmover</td>
<td>25&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>DR-20-XT</td>
<td>Highway &amp; L.M. Rims</td>
<td>20&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>DR-22-XT</td>
<td>Highway &amp; L.M. Rims</td>
<td>22&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>DR-24-XT</td>
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<tr>
<td>DR-210-H</td>
<td>Grader</td>
<td>15&quot;</td>
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<tr>
<td>DR-217-L</td>
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<td>6&quot;</td>
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<tr>
<td>DR-220-TG</td>
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<tr>
<td>DR-225-TG</td>
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<tr>
<td>DR-230-TG</td>
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<tr>
<td>DR-301-T</td>
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<tr>
<td>DR-409-DVM</td>
<td>Earthmover</td>
<td>63&quot;</td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

**IN-95 INFLATOR ADAPTER**

Haltec Model IN-95 Inflator Adapter for Air or Liquid Filling of Large Earthmover Tires when Equipped with Super Large Bore, Z-Bore, and Mega Bore Valves.

**IN-95 PARTS LIST.**

- SUB-55 Super Large Bore ejector union
- Z55 Z-bore ejector union
- MB-55-3 gasket ejector unions
- MB-60-1 Adapter body
- E-3100-1 1 piece Stem and collet
- G-204 Snap ring
- G-206 Gasket for stem nut
- A-147 Dome cap

**NEW**

1 piece stainless steel construction

**INFLATOR**

**L-RING SEALS FOR EARTHMOVER RIMS**

**TECH TIP**

**L-RING SEALS FOR EARTHMOVER RIMS**

The primary purpose of the L-ring seal is to create an air seal where the tire bead and rim bead seat are not completely compatible. Some of the examples where the L-seal will prove useful:

- When an air passage between the bead and the rim is identified.
- Where, during initial inflation, the bead seating is very difficult.
- Where you have an irregular butt weld in the knurled bead seat area.
- Where the tire bead and rim bead seat are not completely compatible. Some of the examples where the L-seal will prove useful.

**PROPER USE OF HALTEC L-RING SEALS**

- Always follow the respective manufacturers’ recommendation for proper bead lubrication and initial air pressure to properly seat beads.
- If you have any questions regarding the use of the L-Ring Seals, contact Haltec prior to attempting any installation.

**O-RINGS & L-RINGS**

- **STANDARD AND ARCTIC O-RINGS FOR TUBELESS RIMS**
- **IN-95 INFLATOR ADAPTER**

**STANDARD AND ARCTIC O-RINGS FOR TUBELESS RIMS**

- Package 2 per poly bag
- 24 O-rings per case
- Sold in case lots
- Consistent product quality
- Manufactured of high-quality material
- O-rings individually marked in an easy-to-read color
- Manufactured to major OEM specifications
- Sliced O-ring with sonic weld technology
- Embossed product allows diameter variation to meet the wide variety of rim O-ring grooves, both domestic and foreign
- Two compounds for all service conditions: Standard -40°F to 180°F
- Arctic -65°F to 180°F
- Customized product available for special applications. For Arctic O-rings add the letter “A” to the end of the part number.

**L-RING SEALS FOR EARTHMOVER RIMS**

**ORES & L-RINGS**

**STANDARD AND ARCTIC O-RINGS FOR TUBELESS RIMS**

- Package 2 per poly bag
- 24 O-rings per case
- Sold in case lots
- Consistent product quality
- Manufactured of high-quality material
- O-rings individually marked in an easy-to-read color
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- Sliced O-ring with sonic weld technology
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- Two compounds for all service conditions: Standard -40°F to 180°F
- Arctic -65°F to 180°F
- Customized product available for special applications. For Arctic O-rings add the letter “A” to the end of the part number.
### Truck and Bus Valves

Straight clamp-in valves used on both demountable and non-demountable rims. For .625" diameter valve holes. Special valve stems also available. Haltec custom bends the TV-570 series valves.

#### TV-572-HT with High Temp Grommet

Equipped with the G-1705 high temperature grommet. Ideal for buses, cement trucks, and garbage trucks.

#### TV-573-HT with High Temp Grommet

Equipped with the G-1705 high temperature grommet. Ideal for buses, cement trucks, and garbage trucks.

### Snap-In Tire Valve & Chrome Sleeve Tire Valves

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TR NO.</th>
<th>EFFECTIVE LENGTH</th>
<th>VALVE HOLE</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV-412</td>
<td>412</td>
<td>.453</td>
<td>.453</td>
<td>Rubber sleeve</td>
</tr>
<tr>
<td>TV-413</td>
<td>413</td>
<td>1 1/4&quot;</td>
<td>.453</td>
<td>Rubber sleeve</td>
</tr>
<tr>
<td>TV-414</td>
<td>414</td>
<td>1 1/2&quot;</td>
<td>.453</td>
<td>Rubber sleeve</td>
</tr>
<tr>
<td>TV-415</td>
<td>415</td>
<td>1 3/4&quot;</td>
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<td>Rubber sleeve</td>
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<tr>
<td>TV-418</td>
<td>418</td>
<td>2&quot;</td>
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<td>.453</td>
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<tr>
<td>TV-424</td>
<td>424</td>
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<td>Chrome sleeve</td>
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<td>TV-413CH</td>
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<td>.453</td>
<td>Chrome sleeve</td>
</tr>
<tr>
<td>TV-418CH</td>
<td>418</td>
<td>2&quot;</td>
<td>.453</td>
<td>Chrome sleeve</td>
</tr>
</tbody>
</table>

Maximum cold inflation pressure 65 PSI.

#### 51025 Quick Valve Change Tool

- Change a tire valve in 10 seconds
- Ideal for leaking valve stems
- For use only with .453 valve stems

### Einky Valves

A high performance “No Show” type chrome-plated valve that installs from the outside. A rubber washer and nut are on the inside.

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>BEND ANGLE</th>
<th>EFFECTIVE LENGTH</th>
<th>VALVE HOLE</th>
</tr>
</thead>
<tbody>
<tr>
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<td>STR.</td>
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<td>.453</td>
</tr>
<tr>
<td>TV-502</td>
<td>90°</td>
<td>1 1/4&quot;</td>
<td>.453</td>
</tr>
<tr>
<td>TV-503</td>
<td>STR.</td>
<td>1 1/4&quot;</td>
<td>.453</td>
</tr>
<tr>
<td>TV-504</td>
<td>STR.</td>
<td>1 3/4&quot;</td>
<td>.453</td>
</tr>
<tr>
<td>TV-505</td>
<td>90°</td>
<td>1 3/16&quot;</td>
<td>.453</td>
</tr>
</tbody>
</table>

### Clamp-In Valve

Used on car and light truck applications. Maximum inflation pressure 130 PSI.

#### TV-572-HT

Equipped with the G-1705 high temperature grommet. Ideal for buses, cement trucks, and garbage trucks.

#### TV-573-HT

Equipped with the G-1705 high temperature grommet. Ideal for buses, cement trucks, and garbage trucks.

### Techn Tip

- All grommets on 570 series valves are made in the USA
- Change a tire valve in 10 seconds
- Ideal for leaking valve stems
- For use only with .453 valve stems
- 3 3/8" 4 3/8" 2"

### Standard Bore Valves

- Ford "F" Series Trucks with Dual Wheels
  - Accuride Steel 19.5"
  - Front & Rear Wheels
  - Nickel Finish
  - .453

### Custom Bent Valves Available Upon Request

Haltec can custom bend and fabricate any tire valve hardware need at its manufacturing facility in Salem, Ohio. This allows us to provide prototype samples which ultimately lead to innovative solutions for our customers.

### TECH TIP

All Haltec Snap-In Valves Pass All SAE Requirements

---

TO PLACE AN ORDER, CALL 800.321.6471

VISIT HALTEC.COM FOR MORE INFORMATION
TV-430 TUBELESS MOTORCYCLE VALVE
Has O-ring seal, fits .327” valve holes. Effective length is 1 3/16”.

TV-575-HP
Low profile with 1” E.I. Has grommets to fit either .453” or .625” diameter valve hole.

TV-6008C Tractor Front Wheel Valve Low profile valve offers minimum protrusion above the rim. 9/16” effective length with chrome finish. Fits .453” or .625” valve hole.

TV-6008 Same as above except brass finish.

H-523MS ALLOY VALVE
A light alloy valve used on racing and light alloy wheels. Fits .453” valve hole and has O-ring seal.

HIGH-PRESSURE TUBELESS TIRE VALVE
TV-600-HP and TV-602-HP used to 80 PSI cold inflation pressure, and fits .453” diameter valve hole, maximum rim thickness .205” at valve hole. TV-801-HP and TV-802-HP used to 100 PSI cold inflation pressure, and fits .625” diameter valve hole, maximum thickness .205” at valve hole. Designed for use with transporting mobile homes.

HIGH-PRESSURE TUBELESS TIRE VALVE
<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TR NO.</th>
<th>EFFECTIVE LENGTH</th>
<th>VALVE HOLE</th>
</tr>
</thead>
<tbody>
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<td>ACY</td>
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<tr>
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<td>802HP</td>
<td>2”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-6001HP</td>
<td>800HP</td>
<td>1 1/4”</td>
<td>ACY</td>
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<tr>
<td>TV-6022HP</td>
<td>802HP</td>
<td>2”</td>
<td>ACY</td>
</tr>
</tbody>
</table>

N-1147 RADIAL COMMANDER
Valve N-1147 for 15” Disc Wheels 23° bend clamp-down valve for .625” valve hole. Bend allows clearance of brake drum for tire service.

CUSTOM BENT VALVES AVAILABLE UPON REQUEST
Haltec can custom bend and fabricate any tire valve hardware needed at its manufacturing facility in Salem, Ohio. This allows us to provide prototype samples which ultimately lead to innovative solutions for our customers.

SCREW-ON REPAIR VALVES
<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TR NO.</th>
<th>EFFECTIVE LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>RV-1137A</td>
<td>1137A</td>
<td>1 1/8”</td>
</tr>
<tr>
<td>RV-1077A</td>
<td>1077A</td>
<td>4 1/8”</td>
</tr>
<tr>
<td>RV-1115A</td>
<td>1115A</td>
<td>4 1/2”</td>
</tr>
<tr>
<td>RV-1076A</td>
<td>1076A</td>
<td>2”</td>
</tr>
<tr>
<td>RV-1115A</td>
<td>1115A</td>
<td>5 5/8”</td>
</tr>
</tbody>
</table>

For trucks and bus, tube-type tires. A quick replacement for broken tube valves with body thread. Cut off valve and screw on repair valve without cutting out old valve base (with bridge washer). Can be used with SP-1000 tube spud.

METRIC RIM HOLE VALVE (9.7MM VALVE HOLE)
Some imported trucks will have steel wheels that incorporate the 9.7mm valve hole (.390”). These are the most popular valves for this application.

METRIC RIM HOLE VALVE (9.7MM VALVE HOLE)

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TR NO.</th>
<th>EFFECTIVE LENGTH</th>
<th>VALVE HOLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 MS-00</td>
<td>V3-00-11</td>
<td>5TH</td>
<td>1 3/16”</td>
</tr>
<tr>
<td>20 MS-27</td>
<td>N2-0004</td>
<td>27</td>
<td>1/3”</td>
</tr>
<tr>
<td>30 MS-27</td>
<td>V3-00-05</td>
<td>27</td>
<td>1/3”</td>
</tr>
<tr>
<td>40 MS-27</td>
<td>V3-00-07</td>
<td>27</td>
<td>1/3”</td>
</tr>
<tr>
<td>50 MS-27</td>
<td>V3-00-08</td>
<td>27</td>
<td>1/3”</td>
</tr>
<tr>
<td>110 MS-27</td>
<td>V3-00-04</td>
<td>27</td>
<td>1 3/16”</td>
</tr>
<tr>
<td>Other sizes available upon request</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TRUCK VALVES FOR ALUMINUM TRUCK WHEELS
Tubeless valves used in drop-center aluminum disc wheels with .625 valve hole. Rubber Grommet available (part # G-172).

TRUCK VALVES FOR ALUMINUM TRUCK WHEELS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TR NO.</th>
<th>BEND ANGLE</th>
<th>E.L</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV-509</td>
<td>TR-509</td>
<td>90°</td>
<td>4 3/4”</td>
</tr>
<tr>
<td>TV-510</td>
<td>TR-510</td>
<td>90°</td>
<td>5 1/2”</td>
</tr>
<tr>
<td>TV-511</td>
<td>TR-511</td>
<td>90°</td>
<td>4 1/4”</td>
</tr>
</tbody>
</table>

70 MS-7
- Aluminum wheel valve with grommet seal.
- Fits 9.7 mm

70 MS-7

TV-540 SERIES, O-RING SEAL VALVES FOR ALUMINUM TRUCK WHEELS (9.7MM VALVE HOLE)

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TR NO.</th>
<th>EFFECTIVE LENGTH</th>
<th>VALVE HOLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV-542</td>
<td>542</td>
<td>1.25”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-543</td>
<td>543</td>
<td>2.4”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-544</td>
<td>544</td>
<td>2.9”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-544C</td>
<td>544C</td>
<td>4.5”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-544D</td>
<td>544D</td>
<td>6”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-545</td>
<td>545</td>
<td>2.5”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-545A</td>
<td>545A</td>
<td>3”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-545C</td>
<td>545C</td>
<td>5.35”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-545D</td>
<td>545D</td>
<td>7.35”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-546</td>
<td>546</td>
<td>2.9”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-546A</td>
<td>546A</td>
<td>5.35”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-546C</td>
<td>546C</td>
<td>7.35”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-546D</td>
<td>546D</td>
<td>105°</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-547</td>
<td>547</td>
<td>3.5”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-547A</td>
<td>547A</td>
<td>5.35”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-547C</td>
<td>547C</td>
<td>7.35”</td>
<td>ACY</td>
</tr>
<tr>
<td>TV-547D</td>
<td>547D</td>
<td>2.38”</td>
<td>ACY</td>
</tr>
</tbody>
</table>

For trucks and bus, tube-type tires. A quick replacement for broken tube valves with body thread. Cut off valve and screw on repair valve without cutting out old valve base (with bridge washer). Can be used with SP-1000 tube spud.

TECH TIP
KEEP ALL O-RING SURFACES AS CLEAN AS POSSIBLE WHILE ASSEMBLING VALVES

VISIT HALTEC.COM FOR MORE INFORMATION
**AIR-FLEXX VALVE EXTENSIONS**

Conventional extensions hold the full air pressure in the extension chamber. Damage to the extension through wear or accident may mean the loss of a tire.

Air-Flexx valve extensions are flexible but rigid enough to be used without a rim holder, clamp or stabilizer. Use with a DS-1 flow-through valve cap to save time.

TRUCK VALVE EXTENSIONS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>DESCRIPTION</th>
<th>COLLAR TYPE</th>
<th>EFFECTIVE LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE-390</td>
<td>Truck Extension Short 1”</td>
<td>6 1/16”</td>
<td>HE-390</td>
</tr>
<tr>
<td>HE-391</td>
<td>Truck Extension Short 1”</td>
<td>-</td>
<td>HE-390</td>
</tr>
<tr>
<td>HE-392</td>
<td>Truck Extension Short 1”</td>
<td>2 1/16”</td>
<td>HE-390</td>
</tr>
<tr>
<td>HE-393</td>
<td>Truck Extension Short 1”</td>
<td>2 1/16”</td>
<td>HE-390</td>
</tr>
<tr>
<td>HE-394</td>
<td>Truck Extension Short 1”</td>
<td>6 1/16”</td>
<td>HE-390</td>
</tr>
<tr>
<td>HE-395</td>
<td>Truck Extension Short 1”</td>
<td>10 1/2”</td>
<td>HE-390</td>
</tr>
<tr>
<td>HE-396</td>
<td>Truck Extension Short 1”</td>
<td>12 1/2”</td>
<td>HE-390</td>
</tr>
<tr>
<td>HE-397</td>
<td>Truck Extension Short 1”</td>
<td>14 1/4”</td>
<td>HE-390</td>
</tr>
<tr>
<td>HE-398</td>
<td>Truck Extension Short 1”</td>
<td>4”</td>
<td>HE-390</td>
</tr>
</tbody>
</table>

ALCOA STABILIZER

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>FITS ALCOA WHEEL SIZE</th>
<th>DIAMETER HAND HOLE</th>
<th>HOLE POSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-2125</td>
<td>15”</td>
<td>1.50”</td>
<td>Center</td>
</tr>
<tr>
<td>H-2126</td>
<td>15”</td>
<td>1.50”</td>
<td>Center</td>
</tr>
<tr>
<td>H-2127</td>
<td>22.5” x 9.0”</td>
<td>1.50”</td>
<td>Center</td>
</tr>
<tr>
<td>H-2234</td>
<td>22.5”</td>
<td>2.00”</td>
<td>Center</td>
</tr>
<tr>
<td>H-2235</td>
<td>24.5”</td>
<td>2.19”</td>
<td>Center</td>
</tr>
<tr>
<td>H-2236</td>
<td>22.5”</td>
<td>3.00”</td>
<td>Center</td>
</tr>
<tr>
<td>H-2237</td>
<td>Peterbilt Duet</td>
<td>3.50”</td>
<td>Center</td>
</tr>
<tr>
<td>H-2238</td>
<td>Peterbilt Duet</td>
<td>-</td>
<td>Center</td>
</tr>
<tr>
<td>H-2239</td>
<td>Freightliner 19.5”</td>
<td>Custom</td>
<td>Center</td>
</tr>
<tr>
<td>H-2240</td>
<td>Freightliner 19.5”</td>
<td>Custom</td>
<td>Center</td>
</tr>
<tr>
<td>H-2241</td>
<td>Freightliner 19.5”</td>
<td>Custom</td>
<td>Center</td>
</tr>
<tr>
<td>H-2242</td>
<td>Freightliner 19.5”</td>
<td>Custom</td>
<td>Center</td>
</tr>
<tr>
<td>H-2243</td>
<td>Freightliner 19.5”</td>
<td>Custom</td>
<td>Center</td>
</tr>
<tr>
<td>H-2244</td>
<td>Freightliner 19.5”</td>
<td>Custom</td>
<td>Center</td>
</tr>
</tbody>
</table>

ALCOA STABILIZER & EXTENSION KIT

Proper air pressure is the most important factor in lengthening tire life. On dual wheel assemblies, the inner dual is many times overlooked or improperly serviced. The Alcoa Extension and Stabilizer Kit allows access to the inner dual tire valve and properly positions and supports the extension for servicing. The stabilizer reduces the road vibration on the extension and practically eliminates valve stem breakage caused by vibration.

STABILIZER & EXTENSION KIT

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>STABILIZER (2)</th>
<th>EXTENSIONS (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>123932</td>
<td>H-2125</td>
<td>HE-392</td>
</tr>
<tr>
<td>123933</td>
<td>H-2126</td>
<td>HE-392</td>
</tr>
<tr>
<td>127303</td>
<td>H-2127</td>
<td>HE-392</td>
</tr>
<tr>
<td>223932</td>
<td>H-2125</td>
<td>HE-392</td>
</tr>
<tr>
<td>227303</td>
<td>H-2127</td>
<td>HE-392</td>
</tr>
<tr>
<td>227305</td>
<td>H-2122</td>
<td>HE-392</td>
</tr>
<tr>
<td>227306</td>
<td>H-2123</td>
<td>HE-392</td>
</tr>
<tr>
<td>227307</td>
<td>H-2122</td>
<td>HE-392</td>
</tr>
<tr>
<td>227309</td>
<td>H-2123</td>
<td>HE-392</td>
</tr>
<tr>
<td>245392</td>
<td>H-2127</td>
<td>HE-392</td>
</tr>
<tr>
<td>247302</td>
<td>H-2127</td>
<td>HE-392</td>
</tr>
<tr>
<td>251302</td>
<td>H-2127</td>
<td>HE-392</td>
</tr>
</tbody>
</table>

HE-370 SERIES LIGHTWEIGHT EXTENSIONS

These screw on the standard valve stem (.305-33 cap thread) and make the valve mouth accessible for service. .305-33 cap thread.

HE-380 SERIES STRAIGHT METAL EXTENSIONS

Lightweight extensions are the same as above except with a long collar.

HE-390A SERIES LIGHTWEIGHT ALUMINUM EXTENSIONS

Extremely light weight aluminum extensions.

**GROMMET SEAL VALVES FOR ALCOA TRUCK WHEELS (7.9MM VALVE HOLE)**

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>VALVE TE NO.</th>
<th>A HEIGHT</th>
<th>B ANGLE</th>
<th>B LENGTH</th>
<th>HEX MNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV-552</td>
<td>TV-552</td>
<td>1.26</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>TV-553</td>
<td>TV-553</td>
<td>2.4</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>TV-553C</td>
<td>TV-553C</td>
<td>0.3</td>
<td>45°</td>
<td>1.42</td>
<td>-</td>
</tr>
<tr>
<td>TV-551D</td>
<td>TV-551D</td>
<td>0.9</td>
<td>60°</td>
<td>1.38</td>
<td>-</td>
</tr>
<tr>
<td>TV-553E</td>
<td>TV-553E</td>
<td>0.9</td>
<td>75°</td>
<td>1.38</td>
<td>-</td>
</tr>
<tr>
<td>TV-554D</td>
<td>TV-554D</td>
<td>0.9</td>
<td>60°</td>
<td>1.94</td>
<td>-</td>
</tr>
<tr>
<td>TV-555D</td>
<td>TV-555D</td>
<td>0.9</td>
<td>60°</td>
<td>2.6</td>
<td>-</td>
</tr>
<tr>
<td>TV-555E</td>
<td>TV-555E</td>
<td>0.9</td>
<td>75°</td>
<td>2.6</td>
<td>-</td>
</tr>
</tbody>
</table>

**TV-550 SERIES**

Features:
- Longer sealing life
- Greater corrosion resistance
- Longer sealing surface
- Slot and external hex for easier installation
- Viton® replacement grommet - G-550
- Grommet has better temperature range and tear resistance
- Grommet must be used on TV-550 Series only, not for use on 540 valve series

**TV-555 SERIES**

- 8.00” O.D. with 0.98” Diameter
- 60° Bend
- Larger sealing surface
- Greater corrosion resistance
- Protection for valve series
- For use on spare wheels with angled extension of 45°, 90°, 135° or 180°
- No need for clamp, holder or stabilizer
- Use with a DS-1 flow-through valve cap to save time

**HE-340 SERIES**

These screw on the standard valve stem (.305-33 cap thread) and make the valve mouth accessible for service. .305-33 cap thread.

**HE-380 SERIES**

Lightweight extensions are the same as above except with a long collar.

**HE-390A SERIES**

Extremely light weight aluminum extensions.
DOUBLE SEAL CAP DS-1
The DS-1 flow-through valve cap is designed for high pressure shock strut service. Seals like a high pressure valve cap, yet offers the convenience of an inflate through extension. It also performs like a check valve: the seal becomes tighter in the event of a core failure. The DS-1 reduces pressure check time by 65%, offering an efficient money and labor savings alternative to the common valve cap. The heat resistant grommets provide additional protection for the extended high temperature running. The DS-1 consists of a tough, all metal housing, precision fit brass components and durable self-sealing O-ring.

Benefits:
- Inflate directly through sealing cap
- Reduces time and labor
- No lost valve caps

Technical Specifications:
- Overall length 7/8";
- Temperature rated seal: -40°F to 250°F

H-556
HIGH-PRESSURE INFLATING CONNECTION
Fits .305-32 thread size with 1/8" NPT male connection. Has core depressor pin, and copper sealing washer. Maximum working pressure 3000 PSI.

H-2755
HIGH-PRESSURE INFLATING CONNECTION
Fits .305-32 thread size with 3/8-24 thread for 3/16" flare tube fitting. Has core depressor pin and copper sealing washer. Maximum working pressure 3000 PSI.

H-600
Fits .305-32 thread size with 1/8" NPT female connection with 70° bend. Equipped with hard fiber sealing washer. Used up to 5000 PSI working pressure.

BENT EXTENSIONS FOR STANDARD BORE VALVES

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>BEND</th>
<th>EFFECTIVE LENGTH</th>
<th>VERTICAL LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE-200</td>
<td>90°</td>
<td>1.34&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>HE-201</td>
<td>45°</td>
<td>1.34&quot;</td>
<td>34&quot;</td>
</tr>
<tr>
<td>HE-202</td>
<td>135°</td>
<td>1.34&quot;</td>
<td>15/16&quot;</td>
</tr>
<tr>
<td>HE-203</td>
<td>24°</td>
<td>1.71/16&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>HE-204</td>
<td>180°</td>
<td>1.71/16&quot;</td>
<td>1/2&quot;</td>
</tr>
</tbody>
</table>

DUAL WHEEL FLEXIBLE VALVE EXTENSIONS FE-300-LENGTH
This extension provides easy access to the inner dual tire found on campers, recreational vehicles, and light trucks. Fits standard valve cap threads. Comes with clamp to secure extension to wheel cut-out. 2 extensions per pack. Standard effective lengths are 7" and 9". Effective to 200 PSI. Also available, clamp part number FE-300CL, which clamps directly to the lug nut. Other lengths available upon request.

SFE-400-LENGTH
Similar to the FE-300 series except has steel braid over rubber hose.

HIGH-PRESSURE SHOCK STRUT VALVES
Constructed of stainless steel bodies for use in high-pressure shock absorber units, hydraulic pressure accumulators, surge cylinders, and high-pressure pneumatic systems. Valves have 1/2" - 20 U.N.F - 3A threads for connection to container.

H-7607 SHOCK STRUT VALVE
For operating pressure to 2,000 PSI. Conforms to AN-812-1.

H-4361 SHOCK STRUT VALVE
For operating pressure to 3,000 PSI. Conforms to AN-6287-1.

H-798 SHOCK STRUT VALVE
For use on shock struts where operating pressure is rated for 5,000 PSI. Conforms to MS-28889-2.

5007
Fits .305-32 thread size with 7/16-20 thread for 1/4" flare tube fitting. Meets MS 33656E4. Maximum pressure rating is 15,000 PSI. Recommended torque 75 in/lb for steel valves. Has copper sealing washer.

H-6116
Same as H-6116B except has straight extension.

H-6116B
Fits .305-32 thread size with 1/8" NPT female connection with 70° bend. Equipped with hard fiber sealing washer. Used up to 5,000 PSI working pressure.
SUPER LARGE BORE AIR-LIQUID VALVE

AIR/LIQUID VALVES

PARTS LIST:

FP-134 Large Bore Core Remover
FP-135 Adapter for Standard Valve (Equipped with FP-136)
FP-136 O-Ring for FP-135 Adapter
FP-137 Standard Valve Core Remover
FP-138 Ejector Union (Equipped with FP-146)
FP-139 Gasket
FP-140 Stem
FP-141F Adapter Body
FP-142 Stem Sealing Nut
FP-143 O-Ring for FP-142 (Stem Seal)
FP-144 Hand Wheel
FP-145 Lock Nut
FP-146 Teflon Gasket

FLUID CONNECTORS

Coupler N-1451, 1/2 NPT female thread. Designed specifically for fluid use.

NIPLLe N-1452
1/2 NPT male thread. For fluid use.

310 VALVE ADAPTER GUN

N-1091 WATER ADAPTER
N-1091 For liquid fill tires.
### VALVE CORES

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TIRE &amp; RIM NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-100-VC-1</td>
<td>C-1</td>
<td>Standard Bore Heat-Resistant Core for Cars, Trucks and Busses.</td>
</tr>
<tr>
<td>A-144</td>
<td>C-2</td>
<td>Large Bore Core (long). Fits 305-32 Threads</td>
</tr>
<tr>
<td>A-145</td>
<td>C-2</td>
<td>Large Bore Core (short). Fits 305-32 Threads</td>
</tr>
</tbody>
</table>

### VALVE CAPS (STANDARD BORE)

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TIRE &amp; RIM NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>57TT</td>
<td></td>
<td>Short dome cap. 89TPMS-CAPG</td>
</tr>
<tr>
<td>A-100-VC-2</td>
<td>VC-2</td>
<td>Metal Scribe Valve Cap for Removing Valve Cores.</td>
</tr>
<tr>
<td>A-100-VC-3</td>
<td>VC-3</td>
<td>Metal Dome Valve Cap</td>
</tr>
<tr>
<td>A-100-VC-8</td>
<td>VC-8</td>
<td>Plastic Dome Valve Cap</td>
</tr>
<tr>
<td>A-100-VC-12</td>
<td>VC-8</td>
<td>Plastic Dome Valve Cap</td>
</tr>
<tr>
<td>A-100-VC-12</td>
<td>VC-8</td>
<td>Plastic Dome Valve Cap (short)</td>
</tr>
<tr>
<td>N-1022</td>
<td></td>
<td>Chrome-Plated Hex Cap</td>
</tr>
</tbody>
</table>

### VALVE CORES (LARGE BORE)

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TIRE &amp; RIM NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-148</td>
<td>VC-6</td>
<td>Scribe Valve Cap. Fits 482-26 Valve Threads.</td>
</tr>
<tr>
<td>A-149</td>
<td>VC-7</td>
<td>Hex Valve Cap for Easy Tightening and Removing with Wrench. Fits 482-26 Valve Cap</td>
</tr>
<tr>
<td>A-147</td>
<td>A-10</td>
<td>Dome Cap</td>
</tr>
<tr>
<td>A-150</td>
<td>VC-8</td>
<td>Screwdriver Valve Cap for 8807N-4 and AD-1 Adapters</td>
</tr>
<tr>
<td>A-151</td>
<td>VC-8</td>
<td>Large Bore Short Hex Cap</td>
</tr>
<tr>
<td>A-152</td>
<td>VC-10</td>
<td>Used Only with Hydro Inflating Valves</td>
</tr>
<tr>
<td>A-155</td>
<td>VC-10</td>
<td>Plastic Large Bore Valve Cap</td>
</tr>
</tbody>
</table>

### VALVE ADAPTERS

**AD-1**
Adapts Large Bore valve down to Standard Bore. Fits in 305-32 valve core threads.

**8807N-4**
Adapts Large Bore valve down to Standard Bore. Fits over .485-26 valve cap threads.

### GROMMETS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>TIRE &amp; RIM NO.</th>
<th>FITS</th>
<th>TEMP RATING</th>
<th>USED ON</th>
</tr>
</thead>
<tbody>
<tr>
<td>S706-5-2</td>
<td>RG-54</td>
<td>.453 Valve Hole</td>
<td>-60° - 250° F</td>
<td>TV-144, TV-150, 6200</td>
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<tr>
<td>S706-6-2</td>
<td>RG-56</td>
<td>.453 Valve Hole</td>
<td>-60° - 250° F</td>
<td>TV-144, TV-150</td>
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<tr>
<td>G-160</td>
<td>RG-23</td>
<td>.712 Valve Hole</td>
<td>-60° - 250° F</td>
<td>TV-616, T-60, TV-380, 6252</td>
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<tr>
<td>G-162</td>
<td>RG-16</td>
<td>.712 Valve Hole</td>
<td>-60° - 250° F</td>
<td>TV-616, T-60, TV-380, 6252</td>
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<tr>
<td>G-165</td>
<td>RG-16</td>
<td>.712 Valve Hole</td>
<td>-60° - 250° F</td>
<td>TV-616, T-60, TV-380, 6252</td>
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<tr>
<td>G-166</td>
<td>RG-77</td>
<td>-60° - 250° F</td>
<td>TV-550 Series, TV-570</td>
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<tr>
<td>G-170</td>
<td>RG-15</td>
<td>-60° - 250° F</td>
<td>TV-550 Series, TV-570</td>
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<tr>
<td>G-175</td>
<td>RG-43</td>
<td>-75° - 450° F</td>
<td>Heat-Resistant Grommet for TV-570 Series</td>
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<tr>
<td>G-176</td>
<td>RG-15</td>
<td>-60° - 250° F</td>
<td>TV-500 Series, TV-570</td>
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<tr>
<td>G-177</td>
<td>RG-15</td>
<td>-60° - 250° F</td>
<td>TV-570 Series</td>
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<tr>
<td>G-178</td>
<td>RG-15</td>
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<td>TV-570 Series</td>
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<tr>
<td>G-179</td>
<td>RG-15</td>
<td>-60° - 250° F</td>
<td>TV-570 Series</td>
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### HEX NUTS

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<th>Fits</th>
<th>USED ON</th>
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<tbody>
<tr>
<td>401</td>
<td>11/16-16</td>
<td>H-41</td>
<td>JS622</td>
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<tr>
<td>403</td>
<td>-40° - 250° F</td>
<td>H-42</td>
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<tr>
<td>404</td>
<td>.485-26</td>
<td>H-43</td>
<td></td>
</tr>
<tr>
<td>533</td>
<td>753S, 810F</td>
<td>H-44</td>
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<tr>
<td>550</td>
<td>753S, 810F</td>
<td>H-45</td>
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<td>10008</td>
<td>M-500</td>
<td>H-46</td>
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<td>10014</td>
<td>M-500</td>
<td>H-52</td>
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<tr>
<td>10015</td>
<td>M-500</td>
<td>H-53</td>
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### O-RINGS

<table>
<thead>
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<th>HALTEC NO.</th>
<th>TIRE &amp; RIM NO.</th>
<th>TEMP RATING</th>
<th>USED ON</th>
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<tbody>
<tr>
<td>O-320</td>
<td>40° - 250° F</td>
<td>Swivel Valves, H-43, H-44</td>
<td>TV-380, TV-570</td>
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<tr>
<td>O-330L</td>
<td>40° - 250° F</td>
<td>TV-380, TV-570, TV-600, TV-620, TV-630</td>
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### WASHERS

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<tr>
<td>453</td>
<td>11/16-16</td>
<td>K-431, K-463</td>
<td>TV-380, TV-570</td>
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<tr>
<td>10058</td>
<td>RV-1</td>
<td>TV-380, TV-570, TV-600, TV-620</td>
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<td>10059</td>
<td>RV-10</td>
<td>TV-380, TV-570, TV-600, TV-620</td>
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<tr>
<td>RV-13</td>
<td>RV-13</td>
<td>TV-416</td>
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<tr>
<td>W-1101-1</td>
<td>RN-11</td>
<td>TV-416, TV-421A, 623A, 624A</td>
<td></td>
</tr>
</tbody>
</table>

**W-1101-1**
1005B Nickel Plated Brass

**10058**
Brass
TANK VALVES

Utilized in pressure containers where gauging or servicing may be required. Tank valves are used with various gases, fluids and operating pressures. For specific applications, please contact Haltec for technical assistance.

TANK VALVES

HALETEC NO.  OAL  BASE THREAD  CAP THREAD  HEX SIZE
TV-399  1 5/16"  1/4" NPT  .305-32 9/16"  
TV-400  1 5/16"  1/4" NPT  .305-32 9/16"  
TV-401  27/32"  1/8" NPT  .305-32 7/16"  
H-47  1 1/4"  1/4" NPT  .482-26 9/16"  
TV-402S  1"  1/4" NPT  .305-32 9/16"  

RADIAL TIRE BEAD SEATERS

One-piece rubber tube for mounting hard-to-seat radial, bias belted or conventional truck tires. As the tire is inflated, the lubricated bead seater forms a seal between the rim and tire allowing the air pressure to force the beads into the rim flange. As proper pressure is reached, the bead seater slides out and over the rim.

FOR TRUCK TIRES:
- TC-30 for 13" Rims
- TC-40 for 14-15" Rims
- TC-50 for 16.5" and 17.5" Rims
- TC-60 for 19.5" Rims
- TC-63 for 20" Rims
- TC-70 for 22.5" and 24.5" Rims

FOR PASSENGER TIRES:
- PC-1 for 13" Rims
- PC-2 for 14" and 15" Rims
- PC-3 for 15" Rims
- PC-4 for 17" Rims
- PC-5 for 18" Rims
- PC-6 for 20" Rims
- PC-7 for 12" Rims

Note: OSHA Regulations require that service personnel use a clip-on air chuck with an inline inflator at a recommended distance that keeps the employee out of the trajectory of the tire and rim. After beads are seated, put tire and rim into approved inflation cage and continue to inflate to prescribed air pressure.

RIM GUARD HX-44

Protection cover for aluminum and chrome bolt hole areas while using an impact wrench.

WHEEL SHIELD HX-24

Protection cover for aluminum and chrome wheels. Snaps into place. Shows proper torque sequence numbers for wheel nuts.

DUAL FOOT TRUCK SERVICE GAUGE

Haltec offers a wide variety of service gauges to accommodate the numerous tire and wheel configurations encountered by the service personnel. Choose the gauge that best fits your particular needs.

DUAL FOOT TRUCK SERVICE GAUGE

HALTEC #  OPERATING RANGE  INCREMENTS  BAR  CHUCK STYLE  FINISH
DT-150  0-150 PSI  5 PSI  N/A  Angled Chuck  Chrome
GA-135  10-150 PSI  2 PSI  Nylon  Angled Chuck  Chrome
GA-140  10-150 PSI  2 PSI  Nylon  Angled Chuck  ChromoPoly
GA-155  10-150 PSI  2 PSI  Nylon  Straight on 30° Reverse  Chrome
GA-155S-RCL**  10-150 PSI  2 PSI  Metal  Straight on 30° Reverse  Chrome
GA-165*  10-150 PSI  2 PSI  Metal  Straight on 30° Reverse  Black Polyurethane
GA-165S-RCL**  10-150 PSI  2 PSI  Metal  Straight on 30° Reverse  Black Polyurethane
GA-165*  10-150 PSI  2 PSI  Nylon  Straight on 30° Reverse  Black Polyurethane
GA-165S-RCL**  10-150 PSI  2 PSI  Metal  Straight on 30° Reverse  Aluminum
GA-185  10-150 PSI  2 PSI  Metal  Straight on 30° Reverse  Chrome

**Recalibratable  *Extended Head

DUAL FOOT TRUCK HIGH-PRESSURE GAUGE

DUAL FOOT TRUCK HIGH-PRESSURE GAUGE

HALTEC #  OPERATING RANGE  INCREMENTS  BAR  CHUCK STYLE  FINISH
GA-130  20-120 PSI  2 PSI  Nylon  Angled Chuck  Chrome
GA-150  20-120 PSI  2 PSI  Nylon  Straight on 30° Reverse  Chrome
GA-165*  20-120 PSI  2 PSI  Nylon  Straight on 30° Reverse  Black Polyurethane
GA-170*  20-120 PSI  2 PSI  Nylon  Angled Chuck  Black Polyurethane

*TGGE-1 TIRE GAUGE GRIP

Allows a positive grip on your gauge during inclement weather conditions and serves as a protective cushion should the gauge be inadvertently dropped. Can be used on all dual foot truck service gauges.

GA-155S-RCL-HD

CHROME DUAL FOOT METAL BAR SERVICE GAUGE

Chrome body. Easy to read metal slide bar. Calibrated 10-150 PSI. Straight on 30° reverse head for hard-to-reach valves. Built to withstand harsh working conditions.

53 | TO PLACE AN ORDER, CALL 800.321.6471 | VISIT HALTEC.COM FOR MORE INFORMATION
Digital & Dial Gauges

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>OPERATING RANGE</th>
<th>INCREMENTS</th>
<th>BAR</th>
<th>SERVICE</th>
<th>FINISH</th>
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</thead>
<tbody>
<tr>
<td>GA-850-330</td>
<td>0-160 PSI</td>
<td>0.5 PSI</td>
<td>Nylon</td>
<td>Standard Bore Air Gauge with CH-330 Dual Foot Air Chuck</td>
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<tr>
<td>GA-850-350</td>
<td>0-160 PSI</td>
<td>0.5 PSI</td>
<td>Nylon</td>
<td>Standard Bore Air Gauge with CH-350 Dual Foot Air Chuck</td>
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<tr>
<td>GA-850-370</td>
<td>0-160 PSI</td>
<td>0.5 PSI</td>
<td>Nylon</td>
<td>Fits Large Bore Air Liquid Gauge with CH-370 Dual Foot Air Chuck</td>
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<tr>
<td>DT-105</td>
<td>0-100 PSI</td>
<td>0.5 PSI</td>
<td>Nylon</td>
<td>Standard Bore Digital Air Gauge</td>
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</table>

Digital Air Gauges

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>OPERATING RANGE</th>
<th>INCREMENTS</th>
<th>BAR</th>
<th>SERVICE</th>
<th>FINISH</th>
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<tbody>
<tr>
<td>GA-100</td>
<td>1-20 PSI</td>
<td>1/2 PSI</td>
<td>Nylon</td>
<td>Standard Bore Air Gauge for Garden Tractors, ATV’s Chrome</td>
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<tr>
<td>GA-105</td>
<td>1-50 PSI</td>
<td>1 PSI</td>
<td>Nylon</td>
<td>Standard Bore Air Gauge for Nylon Passenger Tire Chrome</td>
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<tr>
<td>GA-110M</td>
<td>10-50 PSI/73-325 kPa</td>
<td>1 PSI</td>
<td>Nylon</td>
<td>Standard Bore Air Gauge for Nylon Passenger Tire Chrome</td>
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<tr>
<td>GA-115</td>
<td>20-120 PSI</td>
<td>1 PSI</td>
<td>Nylon</td>
<td>Standard Bore Air Gauge for Radial &amp; Light Truck Chrome</td>
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<tr>
<td>GA-120M</td>
<td>20-120 PSI/150-800 kPa</td>
<td>1 PSI</td>
<td>Nylon</td>
<td>Standard Bore Air Gauge for Radial &amp; Light Truck Chrome</td>
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<tr>
<td>GA-125</td>
<td>5-45 PSI</td>
<td>1 PSI</td>
<td>Nylon</td>
<td>Standard Bore Air Gauge for Radial &amp; Light Truck Chrome</td>
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<tr>
<td>GA-146</td>
<td>10-75 PSI/70-500 kPa</td>
<td>1 PSI</td>
<td>Nylon</td>
<td>Standard Bore Air Gauge for Radial &amp; Light Truck Chrome</td>
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<tr>
<td>GA-146</td>
<td>20-90 PSI</td>
<td>1 PSI</td>
<td>Nylon</td>
<td>Standard Bore Air Gauge for Radial &amp; Light Truck Chrome</td>
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Dial Air Gauges

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<th>OPERATING RANGE</th>
<th>INCREMENTS</th>
<th>BAR</th>
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<tr>
<td>GA-105DIS</td>
<td>0-160 PSI</td>
<td>5 PSI</td>
<td>Plastic</td>
<td>16&quot; Standard &amp; Large Bore Air Liquid Gauge with Handle and Ball Valve, Chrome</td>
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<td>GA-115DIS</td>
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<td>GA-290</td>
<td>0-160 PSI</td>
<td>1 PSI</td>
<td>Plastic</td>
<td>12&quot; Standard &amp; Large Bore Air Pressure Gauge with Recalibration Feature, Chrome</td>
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<td>N-1055</td>
<td>0-160 PSI</td>
<td>5 PSI</td>
<td>Plastic</td>
<td>12&quot; Standard &amp; Large Bore Air Pressure Gauge with Recalibration Feature, Chrome</td>
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<tr>
<td>GA-285</td>
<td>0-160 PSI</td>
<td>5 PSI</td>
<td>Plastic</td>
<td>12&quot; Dial Gauge with Rigid Extension, Chrome</td>
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<tr>
<td>GA-280</td>
<td>0-160 PSI</td>
<td>5 PSI</td>
<td>Plastic</td>
<td>Replacement Dial Gauge, Chrome</td>
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<tr>
<td>N-1510</td>
<td>0-160 PSI</td>
<td>5 PSI</td>
<td>Plastic</td>
<td>Carburetor Gauge with Large Bore and Super Large Bourdon Tube for Inspection of Valve Pressure, Chrome</td>
<td></td>
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<tr>
<td>GA-300-377</td>
<td>0-160 PSI</td>
<td>2 PSI</td>
<td>Plastic</td>
<td>16&quot; Large Bore Air Gauge with Built-in Filter and Accessible Reservoir for Easy Cleaning, Chrome</td>
<td></td>
</tr>
</tbody>
</table>

PenCil Tire Gauges

Haltec Pencil-Type Tire Pressure Gauges have a highly polished finish with an easy-to-read, 4-sided nylon indicating bar and a handy pocket clip. NOTE: All pencil gauges have a chuck guide to assure the gauge fits squarely on the tire valve. This prevents air leakage and guarantees accurate pressure readings.

GCS-A Gauge Check Station

Large 4" liquid filled gauge with 2lb. graduated increments. Pressure gauge provides clear pressure readings for greater test accuracy. Accuracy ± 1% full scale. Maximum operating pressure 160 PSI. Dimensions consist of 8 3/8" W x 7 1/4" H x 5" D.
N-1420H TRUCK TREAD DEPTH GAUGE
-Calibrated in millimeters and 1/32nds of an inch.
-Measures shoulder wear as well as tread depth.
-Durable metal construction, chrome-plated.
-Came in a clear protective plastic pouch.
-Can be custom imprinted
-Pocket-size.

GA-190 TIRE TREAD DEPTH GAUGE
Quickly and accurately measures how much tread is left on tire. Calibrated in 1/32” units and millimeters. Chrome-plated brass with pocket clip.

GA-190S TIRE TREAD DEPTH GAUGE
With aluminum body, calibrated 1/32”.

DT-190 DIGITAL TREAD DEPTH GAUGE
Displays tread depth in millimeters, inches and fractions, calibrated 1/32.”. Easy to read LCD screen. Zero function allows for a zero gauge at any time for quick and accurate readings.

LARGE BORE GAUGES
These gauges work with all Large Bore, Super Large Bore, Z-Bore, and Mega Bore products.

GA-240 STRAIGHT PENCIL GAUGE

GA-250 HIGH PRESSURE GAUGE
10-150 lbs. in 3 lbs. units. For Standard and large Bore valves. Has nylon indicating bar and Haltec Posi-Seal washer.

GA-250S
Same as above with metal indicating bar.

GA-255 LARGE BORE SWIVEL FOOT GAUGE
Quality Features:
• Nickel-plated brass
• Nylon slide bar. Easy to read.
• Calibrated 10-150 in 2 lbs. units
• Swivels 360˚ for those hard-to-reach valves. Haltec Posi-Seal replacement washer (10095) available.

GA-255S
Same as above with metal indicating bar.

GA-255S-RCL - LARGE BORE SWIVEL GAUGE-RECALIBRABLE
Recalibratable. Same description as GA-255S, see above.

N-1410 OFF-HIGHWAY TIRE TREAD DEPTH GAUGE
Indicating bar is calibrated with 32nds on one side, other side is millimeters. Has magnified sight-glass for easy readability. Comes with a carrying holster. The finest instrument available.

5131 - OFF-HIGHWAY TREAD DEPTH GAUGE
Two-piece gauge made up of all slide tube and indicator. Calibrated 0-6” in 1/32” units and 7 to 152 mm metric. Tubing spans tread lugs on off-road tires.

TL-680 THREE-WAY LARGE BORE TOOL
For removing large bore cores, hex caps and screwdriver caps.

TL-690 FOUR-WAY LARGE BORE CORE TOOL
Thread repair for core and cap threads and core remover. For Large Bore and Super Large Bore.

TL-695
The TL-695 is a four-way tool that repairs the internal and external threads on air-liquid valve spuds. It also is a Large Bore valve core insertion tool, and it repairs internal and external threads.

ASP-10 DEFLATION ASPIRATOR
Tube deflation aspirator for Large Bore.

N-1610 LARGE BORE CORE TOOL
Large bore core tool, equipped with sliding sleeve which holds the core during removal. 5.6” in length.

N-1710 LARGE BORE CORE TOOL
Special valve core screwdriver tool. Sliding sleeve allows positive grip on valve core for those hard-to-reach valves. 10” in length.

N-1810 LARGE BORE HEX CAP REMOVER
Has plastic handle for positive grip - OAL 10”.

N-1910 LARGE BORE CORE REMOVER
Has plastic handle for positive grip - OAL 6”.

TL-631 SUPER LARGE BORE RETREADING TOOL
Used to retread 57/16” - 24 thread on any Super Large Bore valve.

TL-LN-10
The TL-LN-10 is a nut driver that installs the LN-10 nut onto the TV-218A/TV-220A tractor tire valve.

8909-C
Guides, aligns, and holds Large Bore valve through rim hole while mounting the tire.
SUPER LARGE BORE AIR-LIQUID VALVE

CH-315 BALL FOOT AIR CHUCK WITH CLIP
3/4" hex, with 1/4" NPT female thread. Heavy-duty spring firmly holds chuck onto valve while inflating tire. Available for use with tire changers. Order CH-315-OP.

CH-340 LOCK-ON AIR CHUCK
Secures on valve when sleeve is pushed forward. Release when sleeve is pulled back. 1/4" NPT female thread. Available for use with tire changers. Order CH-340-OP.

H-5265
The H-5265 is a specially designed air chuck that locks onto the cap threads of a Standard Bore valve stem when the sliding sleeve is pushed to the forward position. The chuck releases when the sleeve is pulled back. Available for use with tire changers and auto tire inflators. Order H-5265 OP.

CH-305
Ball Foot Air Chuck 3/4" hex, brass with 1/4" NPT female thread. Available for use with tire changers and auto tire inflators. Order CH-305-OP.

CH-318 CHUCK CLIP
For CH-315 and CH-315-OP.

EUROPEAN-STYLE CLIP-ON AIR CHUCKS

CH-320
Very similar to our N-1200 European-style clip-on air chuck. It is a closed type chuck and offers the best seal available. Has serrated shank for 1/4" I.D. hose.

CH-360
This chuck features the popular European-style clip with a brass 1/4" female fitting. Compact, durable and easy to use, this chuck is available either closed (CH-360) or open (CH-360-OP). Use replacement washer LELOC-RUBBER.

CH-360S
Includes all the features of our standard CH-360, with the added benefit of a spring loaded deflector pin. Designed specifically to ensure proper seal closure during multi-tire and nitrogen conversion applications.

N-1199
Fits 3/16" hose. Hose-open style.

N-1200
Fits 1/4" I.D. hose-open style.
**SUPER LARGE BORE AIR-LIQUID VALVE**

CH-300
The Haltec CH-300 Lock-On Air Chuck with a small head design makes for easy access to hard-to-reach valves on inside dual wheels. The extended head design improves the lock-on feature. Has 1/4" NPT female threads. 6" long.

CH-330-LO DUAL FOOT AIR CHUCKS
Straight-on 30° reverse angle chuck. Available with the lock-on feature. Has 1/4" NPT female thread. 6" long.

CH-333-LO
Similar to CH-330-LO but with extra long length of 14".

CH-335 DUAL FOOT AIR CHUCK
Dual foot for hard-to-reach tractor, dual wheel trucks and bus tires. 1/4" NPT female threads. For standard air line service. 6" long.

CH-345 REVERSE ANGLE LOCK-ON CHUCK
Reverse angle lock-on chuck allows easy access to outer dual valve. Also available in open version. 12" long.

CH-346 LONG REACH STRAIGHT LOCK-ON CHUCK
Long reach straight lock-on chuck allows for easy access to inner dual valve. Also available in open version. 12" long.

CH-347 REVERSE ANGLE LOCK-ON CHUCK
Reverse 15° angle lock on chuck allows easy access to outer dual valve. Also available in open version. 7" long.

SURE-LOCK VALVE CORE TOOLS
A special design allows the valve core to stay attached to the tool after it is removed from the valve. A great tool to keep the valve core from getting dropped or lost.

<table>
<thead>
<tr>
<th>VALVE CORE TOOL</th>
<th>DESCRIPTION</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL-131-LO</td>
<td>Valve Core Tool for Standard Bore Cores</td>
<td>7 1/4&quot;</td>
</tr>
<tr>
<td>TL-132-LO</td>
<td>Valve Core Tool for Cars</td>
<td>2&quot;</td>
</tr>
<tr>
<td>TL-133-LO</td>
<td>Valve Core Tool for Trucks</td>
<td>5 1/4&quot;</td>
</tr>
<tr>
<td>TL-134-LO</td>
<td>Valve Core Tool for Large Bore Cores</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>

**STANDARD BORE AIR CHUCKS**

CH-300
CH-300-OP

CH-330-LO
CH-330-LO-OP

CH-333-LO
CH-333-OP

CH-335
CH-335-OP

CH-345
CH-345-OP

CH-346
CH-346-OP

CH-347
CH-347-OP
NEW

TL-640 VALVE CAPPER PRO TOOL
Now easier to check inside dual tires. No more lost caps, holds onto caps for removing and replacing. Designed for use with metal and plastic valve caps. Works with DG-1 flow-through cap. Length 11 3/4 in.

TL-635 STANDARD BORE VALVE CORE TOOL
Haltec equivalent to Schrader 2488 and Eaton 5406. Tool is made from hex steel, making it very sturdy, yet economical.

TL-633 VALVE CAP TOOL
The TL-633 makes it easy to remove and install valve caps on inside dual wheels. Designed for aluminum wheels with small hand holes, it comes with a protective sleeve to prevent scratching. Also works great at removing tight or cross-threaded caps. Positive hold while valve is serviced. Keeps cap in tool. Length 8 3/4” without handle.

TL-632 TRUCK EXTENSION SERVICE TOOL
This tool tightens both metric (European) and domestic type extensions. This tool is broached to engage the metric hex at the extension top and will reach the hex on a 7” U.S.A.-type extension.

TL-630 HEX NUT DRIVER FOR 500 SERIES TRUCK VALVES
Installation tool for tubeless clamp-in metal valves. Accommodates all lengths of tubeless truck valves including the TV-574.

TL-625 STANDARD BORE VALVE CORE TOOL
How many times have you pushed the valve core tool through your pocket? Here’s a tool with a recessed probe that fits easily in any pocket.

TL-620 STANDARD BORE CORE TOOL
Plastic handle provides firm grip for inserting and removing valve core.

TL-612 STANDARD BORE CORE TOOL
With an overall length of 8” and oversized handle, the Haltec TL-612 provides a firm grip for inserting and removing valve cores.

TL-605 FISHING TOOLS
Guides, aligns and holds valve through valve hole while mounting tire. 10” Length.

TL-665 VALVE STEM INSTALLATION TOOL
Rugged tool handles any length valve in any size rim. Screws over valve threads and quickly installs valve into valve hole by applying pulling pressure.

TL-610 STANDARD BORE 4-WAY VALVE TOOL

TL-615 STANDARD BORE 2-IN-1 VALVE TOOL
Combination valve core remover and deflator. Corrosion-resistant, cadmium-plated.

ASP-1 TUBE STANDARD BORE DEFLATING ASPRATOR
Creates vacuum by screwing aspirator onto valve mouth and applying air chuck to threaded inlet. Fits Standard Bore valves.

VP-CT VALVE PAL CORE REMOVER TOOL
Designed to fit in the tip of “The Original Valve Pal” to reach the inside dual tire stem.

VP-15 VALVE PAL
Tool removes and reinstalls standard valve caps.

FIT STANDARD BORE

FIT LARGE BORE

TL-685 CORE INSTALLATION TOOL
5” length.

TL-685 VALVE FISHING TOOL

TL-610 STANDARD BORE VALVE TOOLS

STANDARD BORE AIR-LIQUID VALVE

SUPER LARGE BORE AIR-LIQUID VALVE

STANDARD BORE TOOLS

ASP-1 TUBE STANDARD BORE DEFLATING ASPIRATOR

VISIT HALTEC.COM FOR MORE INFORMATION
HALTEC NO. | DESCRIPTION | HOSE LENGTH | AIR CHUCK
--- | --- | --- | ---
I-405-M | Inflator with Dip-in Air Chuck | 3' | CH-360-OP
I-405-5M | Inflator with Dip-in Air Chuck | 5' | CH-360-OP
I-405-12M | Inflator with Dip-in Air Chuck | 12' | CH-360-OP
I-405-3LOM | Inflator with Lock-on Air Chuck | 3' | CH-330-LO-OP-1
I-405-6LOM | Inflator with Lock-on Air Chuck | 6' | CH-330-LO-OP-1
I-405-9LOM | Inflator with Lock-on Air Chuck | 9' | CH-330-LO-OP-1
I-405-12LOM | Inflator with Lock-on Air Chuck | 12' | CH-330-LO-OP-1
I-440-3 | Inflator with Dip-in Air Chuck | 3' | CH-360
I-440-6 | Inflator with Dip-in Air Chuck | 6' | CH-360
I-440-9 | Inflator with Dip-in Air Chuck | 9' | CH-360
I-440-12 | Inflator with Dip-in Air Chuck | 12' | CH-360

I-406M INFLATING GAUGE
Has 12" of hose and CH-335 dual foot air chuck to service small diameter wheels. Gauge is calibrated 10-120 PSI in 2-lb. increments.

I-405 INFLATING GAUGE
Meets OSHA Requirements. Inflation unit with in-line gauge. Lightweight aluminum body with brass calibration bar and O-rings seals. Calibrated 10-120 PSI in 2-lb. increments - precise inflation control - 1/4" female NPT inlet with CH-360-OP dip-on air chuck. Also available with hose lengths of 3' or 9'. Specify length when ordering.

I-405-LO INFLATING GAUGE
Same as I-405 above except with CH-330-LO lock-on chuck for use on aluminum wheels.

I-440 INFLATING GAUGE
Meets OSHA Requirements. Inflation unit with in-line gauge. Lightweight aluminum body with enclosed gauge bar read through site glass. Calibrated 10-120 PSI in 2-lb. increments - precise inflation control - 1/4" female NPT inlet with CH-360-OP dip-on air chuck. Also available with hose lengths of 3' or 9'. Specify length when ordering.

I-450 DIGITAL INFLATION GAUGE
Easy to read digital inflation unit calibrated from 0 to 150 PSI in 0.5 PSI increments. Available in a variety of hose lengths and chuck types to meet your needs. Entire body is protected with a rubber cover. The LCD readout is backlit for ease of reading in dark areas and the battery is replaceable.

I-406M INFLATING GAUGE
Has 12” of hose and CH-335 dual foot air chuck to service small diameter wheels. Gauge is calibrated 10-120 PSI in 2-lb. increments.

I-440 INFLATING GAUGE
Meets OSHA Requirements. Inflation unit with in-line gauge. Lightweight aluminum body with enclosed gauge bar read through site glass. Calibrated 10-120 PSI in 2-lb. increments - precise inflation control - 1/4" female NPT inlet with CH-360-OP dip-on air chuck. Also available with hose lengths of 3' or 9'. Specify length when ordering.

I-450 DIGITAL INFLATION GAUGE
Easy to read digital inflation unit calibrated from 0 to 150 PSI in 0.5 PSI increments. Available in a variety of hose lengths and chuck types to meet your needs. Entire body is protected with a rubber cover. The LCD readout is backlit for ease of reading in dark areas and the battery is replaceable.

I-6017 INFLATION GAUGE
Meets OSHA Requirements. Inflation unit with in-line gauge. Lightweight aluminum body with enclosed gauge bar read through site glass. Calibrated 10-120 PSI in 2-lb. increments - precise inflation control - 1/4" female NPT inlet with CH-360-OP dip-on air chuck. Also available with hose lengths of 3' or 9'. Specify length when ordering.

I-6017 INFLATION GAUGE
Meets OSHA Requirements. Inflation unit with in-line gauge. Lightweight aluminum body with enclosed gauge bar read through site glass. Calibrated 10-120 PSI in 2-lb. increments - precise inflation control - 1/4" female NPT inlet with CH-360-OP dip-on air chuck. Also available with hose lengths of 3' or 9'. Specify length when ordering.

AIR MASTER DIAL GAUGE
Haltec Air Master Dial Gauge comes in a variety of hose lengths and chuck types to meet the varied needs of the tire professional. The inflator is compact with an ergonomic design that makes the gauge comfortable to operate and easy to use. One lever allows the operator to inflate or deflate. The gauge reads from 0 to 170 PSI in 2 pound increments and is also calibrated from 0 to 10 bars in .1 bar increments. The dial gauge is protected with a rubber rubber shield.

HALTEC NO. | DESCRIPTION | HOSE LENGTH | AIR CHUCK
--- | --- | --- | ---
1620 | Dial Gauge Inflator | 16" | CH-330-OP
1615-3 | Dial Gauge Inflator | 3' | CH-360-OP
1615-6 | Dial Gauge Inflator | 6' | CH-360-OP
1615-9 | Dial Gauge Inflator | 9' | CH-360-OP
1615-12 | Dial Gauge Inflator | 12' | CH-360-OP
1630-6 | Dial Gauge Inflator | 6' | CH-330-LO-OP-1
1630-9 | Dial Gauge Inflator | 9' | CH-330-LO-OP-1
1630-12 | Dial Gauge Inflator | 12' | CH-330-LO-OP-1

I-450 DIGITAL INFLATION GAUGE
Easy to read digital inflation unit calibrated from 0 to 150 PSI in 0.5 PSI increments. Available in a variety of hose lengths and chuck types to meet your needs. Entire body is protected with a rubber cover. The LCD readout is backlit for ease of reading in dark areas and the battery is replaceable.

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I-250-20 REMOTE MOUNT REGULATED INFLATOR
Ideal for wall or post mounting.
- Unattended inflation to set pressure
- Quick disconnect to stop inflation and deflate the tire in an emergency
- On/off ball valve to start and stop inflation
- 1/4" NPT inlet

NEW

NEW

NEW
I-401 EXTRA HEAVY-DUTY LARGE BORE INFLATOR WITH STRAIGHT CLIP-ON CHUCK
Five-foot large bore inflator has 1/2" ball valve with provision for checking air pressure and H-6650A straight lock-on chuck. Rubber hose is 5' long. Inflator has a 3/8" I.D. for maximum air flow. Threaded for 1/2" male NPT hose fittings.

I-400 LARGE BORE INFLATOR
Same as I-401 below except with 1001/3 large bore screw-on chuck.

I-402 SERIES SAFETY INFLATOR
Available in 3' and 6' lengths. Has pressure check valve for exact pressure check with your pencil gauge. Has manual bleed valve for adjusting tire pressure and CH-360-OP flow-through clip-on chuck.

I-404 HEAVY-DUTY HOSE INFLATOR
Heavy-duty inflator has two separate clip-on chucks with five-foot hoses. One chuck, CH-360, fits Standard Bore valves and the other, H-6650A, Large Bore valves. Has spring-loaded, hand-operated valve and has provisions for checking air pressure during inflation. Threaded for 1/4" male NPT hose fittings.

I-408 DUAL TIRE INFLATOR GAUGE
Has five-foot hose to a tee connection, 2' of hose on each side with 12" sliding sleeve, lock-on chuck for easy access to inner dual and reverse angle lock-on chuck for outer dual tire. Allows user to engage and disengage chuck quickly. As the same air source serves the unit, both tires are automatically inflated equally. Lock-on chuck fits any standard truck valve stem or the DS-1 double seal cap.

I-409 LARGE BORE INFLATION GAUGE
Large bore inflation unit with in-line gauge. Equipped with H-6650A chuck and a 6' hose. Gauge is calibrated 10-120 PSI in 2-lb. increments.

I-350-20
Has 1/2" ball valve with dial gauge for checking pressure. Equipped with safety coupler for releasing the pressure in case of an emergency. 1/2" NPT connection, 3/8" I.D. for maximum air flow.

I-340-20
Has 1/2" ball valve with gauging port for checking pressure. Equipped with safety coupler for releasing the pressure in case of an emergency. 1/2" NPT connection, 3/8" I.D. for maximum air flow.

I-496-20 IN-95 INFLATOR W/20' HOSE
Safely removes operator away from blast zone by using the 15' hose. Shut-off valve (ball valve) enables operator to stop inflation for proper tire inspection. Includes IN-95 and three additional unions to adapt different sizes, such as SLB, MB & ZB.

I-496-20
Safely removes operator away from blast zone by using the 15' hose. Shut-off valve (ball valve) enables operator to stop inflation for proper tire inspection. Includes IN-95 and three additional unions to adapt different sizes, such as SLB, MB & ZB.

TECH TIP
THESE PRODUCTS, AS WELL AS ALL TIRE TOOLS, SHOULD NEVER BE USED BY PERSONS UNLESS THEY HAVE BEEN TRAINED PROPERLY
ACCORDING TO OSHA REGULATION #29CFR 1910.177 ENTITLED
"SERVICING SINGLE-PIECE & MULTI-PIECE RIM WHEELS."
FEATURES AND BENEFITS OF ALL HALTEC AUTOMATIC TIRE INFLATORS:
• Custom faceplates with corporate logo and color available
• All Haltec Automatic Tire Inflators can be hardwired and mounted to mobile service trucks
• Systems confirm calibration every six minutes when in use and every time they are powered on
• Accurate to +/- 0.3 PSI
• Die cast aluminum housing provides strongest protection and durability to protect against weather and abuse
• International Protection Rating; IP66, provides complete weather protection (except submersions)
• Automatically inflates or deflates to target PSI when attached to tire position
• All systems can be programmed to specific PSI parameters to help organizations better manage consistent and accurate tire inflation
• Wirelessly receives/transmits gauged and corrected pressures via Bluetooth, ZigBee, or hardwired to PC
• All Haltec automatic tire inflation systems are designed to be operated with specified Haltec air chucks
• Nitrogen compatible. PSI is PSI, accuracy is main goal
• All systems allow technician remote control of inflation/deflation process, keeping themselves out of “blast zone” of tire

89XDA AUTOMOTIVE INFLATOR; IDEAL FOR VEHICLE SERVICE CENTERS, AUTOMOBILE DEALERSHIPS AND RENTAL FACILITIES.
• 1/4" inlet & outlet
• Operating range: 5-145 PSI

89MXA INDOOR ONLY INFLATOR; IDEAL FOR TIRE CAGES & TIRE CHANGERS.
• Compact design for easy mounting
• 1/4" inlet & outlet
• Operating range: 5-145 PSI

89TOW-2R & 89TOW-4Y MULTIPLE TIRE INFLATION TOWER IDEAL FOR MULTIPLE TIRE SERVICING.
• 1/4" & 1/2" inlet/outlet
• Operating range: 5-145 PSI

89TOW-2R
89TOW-4Y
89XDB HIGH VOLUME INFLATOR; IDEAL FOR FLEET OPERATIONS, TIRE SERVICE CENTERS AND TIRE MOUNTERS.
- Designed specifically for inflating large OTR tires
- 1/2" inlet/outlet
- Operating range: 5-145 PSI

89XDH AIRCRAFT INFLATOR; SPECIFICALLY DESIGNED FOR HIGH PRESSURE TIRE INFLATION FOR THE AIRCRAFT INDUSTRY.
- Dual LCD screens indicate gauged and targeted pressure
- Inlet pressure gauge
- Equipped with emergency stop control
- Battery operated lasts 5-10 days
- Simple 110V connection to charge
- Operating range: 10-305 PSI

89XTC TEMPERATURE COMPENSATING INFLATOR; SPECIFICALLY DESIGNED FOR OTR INDUSTRIAL, MINING AND CONTINUOUS OPERATION APPLICATIONS.
- 1/2" inlet
- Weather-proof hardware to withstand high impact, heavy use
- Wet and dry tire pressure compensation for normal and liquid filled tires
- Easily adjustable base/ambient temperature setting to optimize for any environment
- Wireless temperature transmitter
- Operating range: 5-145 PSI

89XHZ OVER INFLATOR; IDEAL FOR RETREAD CENTERS, TIRE SERVICE CENTERS AND TIRE MOUNTERS.
- Leak detection test
- Equipped with emergency stop control
- Multiple purge cycle setting
- Dual LCD screens
- 1/2" inlet/outlet
- Operating range: 5-145 PSI

89XHB HIGH PRESSURE INFLATOR; SPECIFICALLY DESIGNED TO INFLATE ON 19.5" RIMS AND LARGER OR MULTIPLE TRUCK TIRES.
- Equipped with higher rated pressure sensor
- 1/2" inlet/outlet
- Can be adjusted from 5-188 PSI pressure in 1 PSI increments

89-F17 MOBILE AIRCRAFT INFLATION CART IDEAL FOR MOBILE AIRCRAFT TIRE SERVICING.
- Two high cylinder nitrogen tanks
- Can be used with all Haltec inflators

89XDB HIGH VOLUME INFLATOR: IDEAL FOR FLEET OPERATIONS, TIRE SERVICE CENTERS AND TIRE MOUNTERS.
- Designed specifically for inflating large OTR tires
- 1/2" inlet/outlet
- Operating range: 5-145 PSI

Please contact your Haltec aviation account manager for a list of approved high pressure air chucks.
IDEAL FOR MULTIPLE TIRE SERVICING.
- Inflates up to 5 wheels simultaneously to 0-145 psi pressure
- Semi pneumatic locking swivel wheel
- Color Coded ¼” inflation hose
- ½” and ¼” inlet/outlet
- Suitable for use with standard or large bore valves and core extraction tools
- Inlet pressure gauge
- Dual LCD screens indicate gauged & targeted pressure

To reorder chuck replacement kit use part # 89MTIS-3 CHKITA

Included accessories with purchase of system:
- 89-HKS
- 89CH-360
- ES-301
- ES-306
- ES-308

DOUBLE BAY CONFIGURATION
TECH TIP

WHEN OPERATING DUAL WHEELS, AN INFLATION MISMATCH GREATER THAN 5PSI CREATES A SIGNIFICANT DIFFERENCE IN THE CIRCUMFERENCE OF THE TIRES. THE TIRES WILL TRAVEL IN THE SAME DISTANCE IN A SINGLE REVOLUTION; HOWEVER, THE LARGER TIRE WILL DRAG THE SMALLER TIRE. THIS PROCESS RESULTS IN CONSIDERABLY GREATER TREAD WEAR ON THE SMALLER TIRE.

DURING TESTING, THE 5PSI DIFFERENTIAL BETWEEN THE DUAL TIRES CREATED A 5/16" CIRCUMFERENCE DIFFERENCE BETWEEN THE TIRES. THIS CIRCUMFERENCE DIFFERENCE RESULTS IN THE LARGER TIRE DRAGGING THE SMALLER TIRE 13 FEET IN A SINGLE MILE. OVER THE COURSE OF A TYPICAL 100,000 MILE YEAR, THE TIRE IS BEING DRAGGED 246 MILES.

PLEASE KEEP IN MIND, THE ABOVE EXAMPLE IS BASED ON A 5PSI DIFFERENTIAL BETWEEN ONE SET OF DUAL TIRES. IMAGINE THE TIRE WEAR RESULTS WHEN, IN MOST CASES, THE PSI DIFFERENCE IS GREATER AND THE FLEET OWNS MULTIPLE SETS OF DUAL TIRES.
Super Large Bore Air-Liquid Valve

Automatic Tire Inflator Accessories

NITRO-1 Nitrogen Purity Gauge
- Accurate and easy to use
- Compact and ergonomic in design
- Simple to operate, one button design
- Battery charge indicator
- Auto-power off function
- Replaceable battery and sensor
- Auto diagnostic with error code to simplify troubleshooting

Inflator System

INFLATOR SYSTEMS

Automatic Tire Inflation System Accessories for 89MXA (Red) & 89XDA (Blue) (Single Tire)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>89HKC-12</td>
<td>12' Straight hose w/coupler &amp; CH-360P air chuck</td>
</tr>
<tr>
<td>89HKC-24</td>
<td>24' Straight hose w/coupler &amp; CH-360P air chuck</td>
</tr>
<tr>
<td>89HKC-50</td>
<td>50' Straight hose w/coupler &amp; CH-360P air chuck</td>
</tr>
<tr>
<td>89HKC-25C</td>
<td>25' Blue coil hose w/coupler &amp; CH-360P air chuck</td>
</tr>
<tr>
<td>89HKC-36C</td>
<td>36' Blue coil hose w/coupler &amp; CH-360P air chuck</td>
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<tr>
<td>89HKT-12</td>
<td>12' Straight hose w/coupler &amp; CH-300 LO-OP air chuck</td>
</tr>
<tr>
<td>89HKT-24</td>
<td>24' Straight hose w/coupler &amp; CH-300 LO-OP air chuck</td>
</tr>
<tr>
<td>89HKT-50</td>
<td>50' Straight hose w/coupler &amp; CH-300 LO-OP air chuck</td>
</tr>
<tr>
<td>89HKT-100</td>
<td>100' Straight hose w/coupler &amp; 10-20 psi air chuck</td>
</tr>
</tbody>
</table>

89-VAXY 2-way automatic switching valve (2 hoses)
89-VAXY 3-way automatic switching valve (3 hoses)
89-VJTK 3-way automatic switching valve kit (fishing system)

CH-300DPFT Clip-on style air chuck (2) (open)
CH-300 LO-OP Lock-on style air chuck (Dual Wheel)
IN-20 Core removing & Inflation tool (kit)
SXL-5TND Black stand with swivel head for automatic tire inflator

*Custom hose lengths available upon request.


Automatic Tire Inflation System Accessories for 89MXD (Yellow) & 89XDB (Red) & 89XHB

<table>
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<td>89HKC-50</td>
<td>50' Straight hose w/coupler &amp; CH-360P air chuck</td>
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<tr>
<td>89HKC-25C</td>
<td>25' Blue coil hose w/coupler &amp; CH-360P air chuck</td>
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<tr>
<td>89HKC-36C</td>
<td>36' Blue coil hose w/coupler &amp; CH-360P air chuck</td>
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<tr>
<td>89HKT-12</td>
<td>12' Straight hose w/coupler &amp; CH-300 LO-OP air chuck</td>
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<tr>
<td>89HKT-24</td>
<td>24' Straight hose w/coupler &amp; CH-300 LO-OP air chuck</td>
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<tr>
<td>89HKT-50</td>
<td>50' Straight hose w/coupler &amp; CH-300 LO-OP air chuck</td>
</tr>
<tr>
<td>89HKT-100</td>
<td>100' Straight hose w/coupler &amp; 10-20 psi air chuck</td>
</tr>
</tbody>
</table>

89-VAXY 2-way automatic switching valve (2 hoses)
89-VAXY 3-way automatic switching valve (3 hoses)
89-VJTK 3-way automatic switching valve kit (fishing system)

IN-20 Core removal & Inflation tool (kit)

IN-20 Core Removal & Inflation Tire Chuck
- Reduces inflation time by 50%
- Features a clip-on style chuck
- Made of Durable steel, brass & plastic
- 1/4 Female NPT allows easy attachment to air hose
- Ideal for nitrogen purging and inflation
- Retractable core housing allows safe removal & replacement of valve core

Part # Product Description

- Custom hose lengths available upon request.
HALTEC WHEEL CARE TORQUE CONTROL SYSTEM

- Only 11 lb.
- No Internal Moving Parts + Modular assembly
- Extended life-time + cost efficient & targeted maintenance
- Keep a spare 2 lb. transducer + Replace in under 60 seconds!
- On-board Smart-tag points to training videos, user manuals & calibration information
- No springs - No adjustment needed!

*Contact Haltec for a Customized Torque Solution

HALTEC FLEET INSPECTION REPORT

Contact Haltec today for your customized Fleet Inspection Report!
Haltec couplers and nipples are long-lasting, high performance products. They are rated for pressure up to 300 PSI with an operating temperature range of -40° F to +250° F. The 1/4" couplers have a 4-ball locking device while the 3/8" and 1/2" series offer an 8-ball locking device. The nipples have hardened wear points and are made from solid barstock construction to provide long service life. Made in the USA.

### 1/4" TRU-FLATE TYPE

<table>
<thead>
<tr>
<th>HALTEC NO</th>
<th>DESCRIPTION</th>
<th>NPT</th>
<th>THREAD TYPE</th>
<th>SCHRAEDER</th>
<th>DILL</th>
<th>AMPLO</th>
<th>CAMEL</th>
<th>MILTON</th>
<th>TRU-FLATE</th>
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<tbody>
<tr>
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<td>Coupler</td>
<td>1/4&quot;</td>
<td>Male</td>
<td>3503</td>
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<td>C1</td>
<td>61-504</td>
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<td>C2</td>
<td>61-503</td>
<td>785</td>
<td>12-134</td>
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<td>CO-109</td>
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<td>NI-102</td>
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<td>3506</td>
<td>D-2C</td>
<td>CP1</td>
<td>61-538</td>
<td>783</td>
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<td>D-3C</td>
<td>CP2</td>
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<td>784</td>
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<td>CP12</td>
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<td>719</td>
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### 1/4" ARO TYPE

<table>
<thead>
<tr>
<th>HALTEC NO</th>
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<th>NPT</th>
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<th>SCHRAEDER</th>
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<th>CAMEL</th>
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<tr>
<td>CO-501</td>
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<td>1/4&quot;</td>
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<td>3528</td>
<td>C17</td>
<td>-</td>
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<td>775</td>
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<td>Male</td>
<td>3529</td>
<td>8889</td>
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### 1/4" LINCOLN TYPE

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### 1/4" INDUSTRIAL TYPE

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<td>C20</td>
<td>61-573</td>
<td>715</td>
<td>13-235</td>
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</table>

### FEATURES:

- The 1/4" universal coupler will accept the industrial interchange (MIL-C4109) and (ANSI/NFPA T3.20.14-1990) Tru-Flate and the ARO style nipples.
- The coupler features automatic push-to-connect operation, high flow machined “window valve,” corrosion-resistant, solid brass construction and a sleeve guard which helps prevent accidental disconnects and protects the sleeve from damage.
- While the best quick-coupling performance is obtained by matching like series couplers and nipples, the universal coupler permits multiple series nipples to mate with one coupler.

TO PLACE AN ORDER, CALL 800.321.6471 VISIT HALTEC.COM FOR MORE INFORMATION
### Super Large Bore Air-Liquid Valve

#### Wheel Nuts

**Light Duty**

#### 7/16" - 20

| HALTEC NO. | HEX        | HEIGHT | DEGREE | PLATING   | NOTES
|------------|------------|--------|--------|-----------|------
| GL-0014    | 3/4"       | 9/16"  | 60     | Zinc      |      |
| GL-0022    | 3/4"       | 1.4"   | 60     | Chrome Bulge |    |
| GL-0005    | 13/16"     | 1.4"   | 60     | Chrome    | Acorn |
| GL-0007    | 13/16"     | 1.4"   | 60     | Chrome    | Acorn |

#### 1/2" - 20

| HALTEC NO. | HEX        | HEIGHT | DEGREE | PLATING   | NOTES
|------------|------------|--------|--------|-----------|------
| GL-0016    | 13/16"     | 5/8"   | 60     | Zinc      |      |
| GL-0017    | 13/16"     | 5/8"   | 90     | Zinc      |      |
| GL-0022    | 3/4"       | 9/16"  | 60     | Zinc      |      |
| GL-0027    | 3/4"       | 9/16"  | 60     | Zinc      |      |
| GL-0031    | 13/16"     | 5/8"   | 60     | Zinc      |      |
| GL-0033    | 13/16"     | 9/32"  | 60     | Zinc      |      |
| GL-0114    | 13/16"     | 1.4"   | 60     | Zinc      |      |
| S120       | 7/8"       | 1 1/8" | 60     | Zinc      |      |

#### 9/16" - 18

| HALTEC NO. | HEX        | HEIGHT | DEGREE | PLATING   | NOTES
|------------|------------|--------|--------|-----------|------
| GL-0052    | 7/8"       | 3/4"   | 60     | Zinc      |      |
| GL-0053    | 1"         | 11/16" | 60     | Zinc      |      |
| GL-0058    | 1 1/16"    | 21/32" | 60     | Zinc      |      |
| GL-0059    | 1 1/16"    | 21/32" | 60     | Zinc      |      |
| GL-0116    | 7/8"       | 1 1/8" | 60     | Zinc      | Same as GL-0101 |
| GL-0423    | 7/8"       | 1.5"   | 60     | Stainless | Chrysler |

#### 5/8" - 18

| HALTEC NO. | HEX        | HEIGHT | DEGREE | PLATING   | NOTES
|------------|------------|--------|--------|-----------|------
| GL-0044    | 1 1/16"    | 21/32" | 60     | Zinc      |      |
| GL-0051    | 1 1/16"    | 29/32" | 60     | Zinc      |      |
| GL-0055    | 1"         | 21/32" | 60     | Zinc      |      |
| GL-0056    | 1"         | 21/32" | 60     | Zinc      |      |

#### 1/2" - 20 (continued)

#### 13/16" - 1.4"

| HALTEC NO. | HEX        | HEIGHT | DEGREE | PLATING   | NOTES
|------------|------------|--------|--------|-----------|------
| GL-0097    | 13/16"     | 1.4"   | 60     | Chrome    | Acorn |
| GL-0504    | 13/16"     | 1.4"   | 60     | Chrome    | Acorn |

#### 19mm - 1.4"

| HALTEC NO. | HEX        | HEIGHT | DEGREE | PLATING   | NOTES
|------------|------------|--------|--------|-----------|------
| GL-0132    | 19mm       | 1.4"   | 60     | Zinc      |      |
| GL-5916    | 19mm       | 1.4"   | 60     | Chrome    | Bulge |

#### 21mm - 1.4"

| HALTEC NO. | HEX        | HEIGHT | DEGREE | PLATING   | NOTES
|------------|------------|--------|--------|-----------|------
| GL-0096    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0099    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |

| HALTEC NO. | HEX        | HEIGHT | DEGREE | PLATING   | NOTES
|------------|------------|--------|--------|-----------|------
| GL-0064    | 19mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0065    | 19mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0066    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0067    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |

| HALTEC NO. | HEX        | HEIGHT | DEGREE | PLATING   | NOTES
|------------|------------|--------|--------|-----------|------
| GL-0066    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0072    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0085    | 19mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0109    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0109    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0110    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0115    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |

| HALTEC NO. | HEX        | HEIGHT | DEGREE | PLATING   | NOTES
|------------|------------|--------|--------|-----------|------
| GL-0115    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0309    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0312    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0427    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |
| GL-0428    | 21mm       | 1.4"   | 60     | Chrome    | Bulge |

### Visit Haltec.com for more information

**Complete Catalog Available Upon Request.**

**Part Number Interchange Available Upon Request.**

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**To Place an Order, Call 800.321.6471**
### Wheel Nuts

#### Inner Cap Nuts for Steel & Aluminum Wheels

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>GRADE</th>
<th>FINISH</th>
<th>INNER THREAD</th>
<th>HEXIGHT</th>
<th>REPLACES</th>
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<tbody>
<tr>
<td>GL-1003</td>
<td>GL-1007 GL-1009 GL-1011 GL-1013</td>
<td>8.2</td>
<td>Yellow Dichromate</td>
<td>1 1/8” - 16</td>
<td>2 1/2”</td>
<td>Build - 3532/R7 Dayton - 13-3012/R VEPF - M12/12L Euclid - 7984/R/L Not - V900/40</td>
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<tr>
<td>GL-1005</td>
<td>GL-1007 GL-1009 GL-1011 GL-1013</td>
<td>8.2</td>
<td>Yellow Dichromate</td>
<td>1 1/8” - 16</td>
<td>2 1/2”</td>
<td>Build - 3532/R7 Dayton - 13-3012/R VEPF - M12/12L Euclid - 7984/R/L Not - V900/40</td>
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<tr>
<td>GL-1007</td>
<td>GL-1009 GL-1011 GL-1013</td>
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<td>Yellow Dichromate</td>
<td>1 1/8” - 16</td>
<td>2 1/2”</td>
<td>Build - 3532/R7 Dayton - 13-3012/R VEPF - M12/12L Euclid - 7984/R/L Not - V900/40</td>
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<tr>
<td>GL-1009</td>
<td>GL-1011 GL-1013</td>
<td>8.2</td>
<td>Yellow Dichromate</td>
<td>1 1/8” - 16</td>
<td>2 1/2”</td>
<td>Build - 3532/R7 Dayton - 13-3012/R VEPF - M12/12L Euclid - 7984/R/L Not - V900/40</td>
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#### Outer Cap Nuts for Single Mounted Wheels

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#### Outer Cap Nuts for Dual Mounted Wheels

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<tr>
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<td>GL-2002</td>
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<td>Yellow Dichromate</td>
<td>1 1/8” - 16</td>
<td>1 1/2”</td>
<td>Build - 2708/R7 Dayton - 13-3013/R VEPF - M12/12L Euclid - 7974/R/L Not - V910/5</td>
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#### One Piece Flange Nuts

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<td>GL-2201</td>
<td>One Piece Flange Nuts for Hub Piloted Wheels</td>
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<td>Build - 95108 Dayton - 13-3047/R VEPF - M12/12L Euclid - 7900/R/L Not - V910/5</td>
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<td>GL-2202</td>
<td>One Piece Flange Nuts for Hub Piloted Wheels</td>
<td>1 1/16” - 16</td>
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<td>GL-2203</td>
<td>One Piece Flange Nuts for Hub Piloted Wheels</td>
<td>5/8” - 16 R.H. Thread</td>
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<td>GL-2204</td>
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<td>5/8” - 16 L.H. Thread</td>
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#### Flange Nuts for Aluminum Wheels

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<td>GL-2500</td>
<td>Skirt Nut</td>
<td>M22 - 1.5</td>
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<td>All style M22 Flange Nuts on Hub Piloted wheels</td>
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<td>GL-2506</td>
<td>Sleeve Nut</td>
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<td>35 mm</td>
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<td>GL-2519</td>
<td>Sleeve Nut</td>
<td>M22 - 1.5</td>
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<td>35 mm</td>
<td>Aluminum - Drives</td>
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<td>GL-2528</td>
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<td>M22 - 1.5</td>
<td>33 mm</td>
<td>26 mm</td>
<td>Heavy Duty Aluminum Super Single - Wide Base</td>
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<td>GL-2533</td>
<td>Sleeve Nut</td>
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<td>GL-2539</td>
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**FLANGE NUTS FOR ALUMINUM WHEELS**

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<td>Low Profile</td>
<td>8</td>
<td>Black</td>
<td>M22 - 1.5</td>
<td>M39</td>
<td>M32</td>
<td>39874</td>
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39874 is Low Profile 8 Black M22 - 1.5 M39 M32 Alcoa - 39874

**FLANGE NUTS FOR ALCOA WHEELS**

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<td>Low Profile</td>
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<td>Phosphate and Oil</td>
<td>M14 - 1.5</td>
<td>13/16”</td>
<td>1 1/16”</td>
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139698 Low Profile 8 Phosphate and Oil M14 - 1.5 27 mm 22 mm Alcoa - 139698

**FLANGE NUTS FOR ALCOA WHEELS**

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<th>HEIGHT</th>
<th>REPLACES</th>
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<td>8 Black</td>
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<td>18</td>
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<td>1</td>
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39946 8 Black 5/8” - 18 1 Alcoa - 39946

**FLANGE NUTS FOR ALUMINUM WHEELS**

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<th>HEIGHT</th>
<th>REPLACES</th>
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<tbody>
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<td>139987</td>
<td>8 Phosphate and Oil</td>
<td>9/16”</td>
<td>-</td>
<td>18</td>
<td>1 1/16”</td>
<td>7/8”</td>
<td>139987</td>
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</table>

139987 8 Phosphate and Oil 9/16” - 18 1 1/16” 7/8” Alcoa - 139987

**SC-100 STUD AND WHEEL SURFACE CLEANING SYSTEM**

The SC-100 stud cleaner quickly and easily removes rust, road grime, and foreign particles from wheel studs. Three carbon steel brushes engage the full thread and provide a clean surface for the wheel retaining nut allowing an accurate final torque.

**5-IN-1 INSPECTION GAUGE**

This gauge, placed on a keychain for convenient daily use, is designed to inspect hub-pilot wheel systems to include: M22 x 1.5 wheel studs, wheel nuts, and disc wheel bolt holes. Precision machined, coated to prevent rust and is not affected by the day-to-day work environment. In the hands of a trained technician the 5-IN-1 gauge is designed to enhance current industry inspection methods and best practices.

**ANTI-INDEXTING SLEEVES**

Protects the studs and wheel from damage. Minimizes wheel movement from indexing. *AIS-500 - Single Wheel*  *AIS-800 - Dual Steel*  *AIS-1250 - Dual Aluminum*  *Install Anti-Indexing Sleeves on every other stud*
407422 WHEEL INSTALLATION KIT, 2 TOOLS IN A KIT
Alcoa’s wheel installation sleeves. Align wheel bolt holes. Seat brake drums that have .98” diameter bolt holes. Prevent thread damage to M22x1.5 studs. Assist in lining up all components for ease of install. For Alcoa wheel with 26mm bolt hole.

AXLE END COVERS
(All closed-end axle covers are supplied with an Alcoa Medallion)
- For use on 16 x 6 and 16 x 7 aluminum wheels
- Includes rubber O-rings
- All-aluminum
- Made in the U.S.A.

* Mounts from the front

1611* Height: 1.125” straight. For dually applications
Bolt pattern: 8 x 6.50
Hub bores: 4.88”

1612* Height: 4.750” straight. For dually applications
Bolt pattern: 8 x 6.50
Hub bores: 4.88”

1681* Height: 4.750” straight. w/1.50” open end. For dually applications
Bolt pattern: 8 x 6.50
Hub bores: 4.88”

3167 Height: 4.700” straight
Hub bores: 5.150”
Bolt pattern: 8 x 6.50

3611* Height: 1.125” straight. For dually applications
Bolt pattern: 8 x 6.50
Hub bores: 4.88”

3612* Height: 4.750” straight. For dually applications
Bolt pattern: 8 x 6.50
Hub bores: 4.88”

4167 Height: 4.000” straight.
Hub bores: 5.150”
Bolt pattern: 8 x 6.50

5267 Height: 2.000” straight
Hub bores: 4.250”
Bolt patterns: 5 x 4.50, 5 x 4.75, 5 x 5.00 & 6 x 5.50

11911* Height: 1.500” straight
Hub bores: 5.250” & 5.460”
Bolt pattern: 10 x 7.25

11912* Height: 3.250” straight
Hub bores: 5.250” & 5.460”
Bolt pattern: 10 x 7.25

11921* Height: 3.500” straight
Hub bores: 5.250” & 5.460”
Bolt pattern: 10 x 7.25

FOR 1 1/2” HEX STUD-PILOT WHEELS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>DESCRIPTION</th>
<th>CASE QTY.</th>
<th>FINISH</th>
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</thead>
<tbody>
<tr>
<td>H-150</td>
<td>For 1 1/2” Hex Stud-Pilot Nut</td>
<td>200</td>
<td>Chrome</td>
</tr>
</tbody>
</table>

FOR 33MM HEX FLANGE NUTS (HUB-PILOT WHEELS)

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>DESCRIPTION</th>
<th>FOR HEIGHTS</th>
<th>CASE QTY.</th>
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</thead>
<tbody>
<tr>
<td>H-180</td>
<td>For 33mm Hex Flange Nut for Trucks</td>
<td>.886”-1.0”</td>
<td>200</td>
<td>Chrome</td>
</tr>
<tr>
<td>H-181</td>
<td>For 33mm Hex Flange Nut for Buses</td>
<td>27.31mm</td>
<td>200</td>
<td>Chrome</td>
</tr>
</tbody>
</table>

FOR 1 1/2 HEX NUTS (HUB-PILOT WHEELS)

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>DESCRIPTION</th>
<th>FOR HEIGHTS</th>
<th>CASE QTY.</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-182</td>
<td>For 1 1/2 Hex Flange Nut for Trucks</td>
<td>.75”</td>
<td>200</td>
<td>Chrome</td>
</tr>
<tr>
<td>H-183</td>
<td>For 1 1/2 Hex Flange Nut for Buses</td>
<td>7/8”</td>
<td>200</td>
<td>Chrome</td>
</tr>
</tbody>
</table>

FOR ALCOA LUG NUTS FOR 16” & 19” WHEELS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>DESCRIPTION</th>
<th>FOR HEIGHTS</th>
<th>CASE QTY.</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-78</td>
<td>1 1/2” Tall</td>
<td>94”</td>
<td>100</td>
<td>Chrome</td>
</tr>
<tr>
<td>H-79</td>
<td>Hug-A-Lug Push-On</td>
<td>94”</td>
<td>100</td>
<td>Chrome</td>
</tr>
</tbody>
</table>

H-155 1 1/2” nut cover with an inner clamp and threaded outer cover. To order inner clamp only, ask for Part # H-155C.

H-188 33mm nut cover with an inner clamp threaded out cover. To order inner clamp only, ask for Part #: H-188C.

500 Installation tool for hub cover systems 076155B and 077155B.

H-185* 33mm screw-on nut cover for hub covers 076185B and 077185B.

600 Installation tool for hub cover systems 076185B, 076188B, 077185B and 077188B.

NOTE: Orders are accepted for less than case quantities.
ALCOA'S NEW HUB COVER SYSTEMS:
THEY'RE ONE-PIECE WONDERS!

Fits wheels 19.5", 22.5" and 24.5". Hub pilot, 33 mm hex flange nut with 10 x 225 mm. Alcoa's new hub cover system provides an easy way to upgrade the appearance of new and older trucks. This quality-tested, road-proven hub cover system is built to the precise specifications you would expect from Alcoa, the world leader in heavy-duty wheels.

This unique, one-piece design provides:
• Reduced installation time with 1 part vs. 11
• Highly reflective superior finish
• Potential on-off attachment design
• On-off removal for DOT inspection
• 2-year warranty

ONE PIECE HUB COVER SYSTEMS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>WHEEL TYPE</th>
<th>PACKAGE INCLUDES</th>
</tr>
</thead>
<tbody>
<tr>
<td>076105</td>
<td>Hub Piloted H-185 (33mm)</td>
<td>2 rear covers &amp; tool, Alcoa packaging</td>
</tr>
<tr>
<td>076106</td>
<td>Hub Piloted H-185 (33mm)</td>
<td>1 rear cover &amp; tool, plain packaging</td>
</tr>
<tr>
<td>076107</td>
<td>Hub Piloted H-185 (33mm)</td>
<td>2 rear covers &amp; tool, Alcoa packaging</td>
</tr>
<tr>
<td>076108</td>
<td>Hub Piloted H-185 (33mm)</td>
<td>1 front cover &amp; tool, plain packaging</td>
</tr>
</tbody>
</table>

COVER KITS FOR 10-HOLE 22.5" & 24.5" WHEELS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>WHEEL TYPE</th>
<th>NUT COVER</th>
<th>APPLICATION/PACKAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>076105</td>
<td>Hub Piloted H-185 (33mm)</td>
<td>2 rear covers &amp; tool, Alcoa packaging</td>
<td></td>
</tr>
<tr>
<td>076106</td>
<td>Hub Piloted H-185 (33mm)</td>
<td>1 rear cover &amp; tool, plain packaging</td>
<td></td>
</tr>
<tr>
<td>076107</td>
<td>Hub Piloted H-185 (33mm)</td>
<td>2 rear covers &amp; tool, Alcoa packaging</td>
<td></td>
</tr>
<tr>
<td>076108</td>
<td>Hub Piloted H-185 (33mm)</td>
<td>1 front cover &amp; tool, plain packaging</td>
<td></td>
</tr>
</tbody>
</table>

LIGHT DUTY TRUCKS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>WHEEL SIZE</th>
<th>BOLT CIRCLE</th>
<th>PACKAGE INCLUDES</th>
</tr>
</thead>
<tbody>
<tr>
<td>001102</td>
<td>19.5&quot; x 6&quot; Hub Pilot</td>
<td>8 x 225 mm</td>
<td>1 Front</td>
</tr>
<tr>
<td>001103</td>
<td>19.5&quot; x 6&quot; Hub Pilot</td>
<td>8 x 225 mm</td>
<td>1 Rear</td>
</tr>
<tr>
<td>001104</td>
<td>19.5&quot; x 6&quot; Hub Pilot</td>
<td>10 x 225 mm</td>
<td>2 Fronts - 2 Years</td>
</tr>
<tr>
<td>001105</td>
<td>19.5&quot; x 6&quot; Hub Pilot</td>
<td>10 x 225 mm</td>
<td>1 Front cover</td>
</tr>
</tbody>
</table>

TRUCKS, BUSES AND TRAILERS

<table>
<thead>
<tr>
<th>HALTEC NO.</th>
<th>DESCRIPTION</th>
<th>BOLT CIRCLE</th>
<th>KIT INCLUDES</th>
</tr>
</thead>
<tbody>
<tr>
<td>087100S</td>
<td>33 mm Hub Piloted 2 rear covers &amp; tool, Alcoa packaging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>086100S</td>
<td>33 mm Hub Piloted 2 front covers &amp; tool, plain packaging</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

H-20
For 30mm hex flange nuts. *Requires a minimum of 3 threads protruding through lug nut. Black spacer not applicable with short lug nut.

Application: Place cover over hub and secure with nut cover.

H-22
For 33mm hex flange nuts. *Requires a minimum of 3 threads protruding through lug nut. Black spacer not applicable with short lug nut.
HYDRAULIC RAMS & JACKS

These rams are recommended for use in pushing off-rear beads on earthmover wheels. Can be used for all earthmover truck tires. Can also be used as a general purpose cylinder. Maximum operating pressure of 10,000 PSI. Designed for use in all positions. Made in the USA. A coupler and dust cap are included with all models.

<table>
<thead>
<tr>
<th>HYDRAULIC RAMS &amp; JACKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HATTEC NO.</td>
</tr>
<tr>
<td>AJ102</td>
</tr>
<tr>
<td>AJ106</td>
</tr>
<tr>
<td>AJ110</td>
</tr>
<tr>
<td>AJ30</td>
</tr>
<tr>
<td>AJ506</td>
</tr>
<tr>
<td>AJ1006</td>
</tr>
</tbody>
</table>

AJ-30
The AJ-30 “shorty” is a lightweight, low-profile design for use in confined places. Cylinder capacity is 30 tons.

AJ-506-B
The AJ-506-B 55-ton aluminum jack is easy-to-handle and lightweight. It can be used with any 10,000 PSI pump. Perfect for all highway work. Comes with a 7” x 7” aluminum base.

AJ-1006 100 TON ALUMINUM JACK
• Lightweight aluminum for easy handling and placing under the vehicle.
• Includes “Shut-Off Valve” which allows the pump to be removed while ram is extended.

BBH-10 “COMBI” BEAD BREAKER
The BBH-10 is ideal for use with all truck, farm tractor, grader, combine, and skidder tires. The air hydraulic movement works on all types of rims except 5-piece earthmover rims. Can be used without removing the wheel and will not damage the bead or rim. No screws, bolts, or attachments. Can be used with Haltec model AHP-20 pump, AHP-15 pump, or equivalent 10,000 PSI pump.

TALON-1 OTR BEAD BREAKER
• Works on both front and back wheel without dismounting wheel from vehicle
• Works on all new 3 piece 23” wheels or larger
• Works on all wheels with CAT “Shur-Lok” safety feature
• A must tool for all trucks

OTR-1825 BEAD BREAKER
Off the road bead breaker tool. Used on 25” to 51” 5-piece rims with pry bar pockets. Has 4 1/4” stroke and is designed to break earthmover tire beads on rusted rims. Can be used with Haltec model AHP-15 pump or equivalent 10,000 PSI pump, 17” length. Caterpillar conversion kit available. Order part OTR-1825CK.

OTR-2000 GIANT TIRE/WHEEL BEAD BREAKING TOOL
Designed for largest construction and off road tires and wheels. Works on all 39”, 45”, 51” and 57” wheel sizes. Can be used with Haltec model AHP-20 pump, AHP-15 pump, or equivalent 10,000 PSI pump. Note: Due to design changes, the OTR-2000 frame and ram will not interchange with Goodyear TO-2000 tools. All other parts are interchangeable.

11044 GIANT TIRE BEAD BREAKER
• Designed specifically to work on Topy and Komatsu OE wheels found on Terex, Komatsu, Liebherr, and Le Tourneau
• Designed to prevent the tool from kicking out while under load
AHP-15 HYDRAULIC PUMP
- Fast seating air hydraulic pump that can be used with all Haltec Bead Breakers
- 10,000 PSI rated
- Capacity 3.5 qts.
- Oil Hose not included
- Polyglass reservoir

AHP-20 HYDRAULIC PUMP
- Fast seating air hydraulic pump that can be used with all Haltec Bead Breakers
- 10,000 PSI rated
- Capacity 5 qts. oil
- Hose not included
- Polyglass reservoir

AHP-20H HYDRAULIC HOSE
- 8’ hose with coupler for use on all hydraulic pumps.

71500 BIG BUDDY BEAD BREAKER
- Easily breaks the most stubborn beads
- User fatigue is reduced through spring-action tip, which reduces kick back
- Wedge tip is forced between the tire bead and wheel rim, delivering the blow directly to the hammer tip
- Heavy duty tool with 1 year warranty.

71630 HEAVY DUTY WHEEL PULLER
- Designed to remove stuck hub-piloted truck wheels easily. This tool helps the tire service professional with the removal and disassembling of hub centered wheels on a drive axle, steering axle, and/or trailer axle.
- Eliminates need to crawl under vehicle
- No need to use sledge hammer to separate stuck wheels versatility on wheel types
- Saves time and improves safety
- High chromium steel construction
- Includes (2) pulling ends to ensure

67300 NUT BUDDY BEAD BREAKER
- Easiest to use for stubborn wheel nuts
- Use on commercial or agricultural wheels
- Gear ratio = 58:1
- Rated output torque: 2,950 ft lbs
- Two sockets included: 1 1/2” (38mm) and 5 5/16” (33mm)

23800 CHEETAH TANK BEAD SEATER
- Point and release the air blast bead seater to seat the bead on tubeless tires
- Bead seater makes seating the most difficult bead not only safe but simple, fast, and economical
- ASME certified tank for commercial use, passenger, and ATV tires
- 5 gallon steel tank

26140 LIQUID TIRE BALANCE
- With AME Liquid Tire Balancer installed in a tire, the tire drops off when a tire change or repair is required! (There will be no rust on rim to brush, no powder to wipe, and the rim is lubricated for an easy remount and a perfect seal)
- Bead water makes seating the most difficult bead not only safe but simple, fast, and economical
- ASME certified tank for commercial use, passenger, and ATV tires
- 5 gallon steel tank

26142 LIQUID TIRE BALANCE
- With AME Liquid Tire Balancer installed in a tire, the tire drops off when a tire change or repair is required! (There will be no rust on rim to brush, no powder to wipe, and the rim is lubricated for an easy remount and a perfect seal)
- Bead water makes seating the most difficult bead not only safe but simple, fast, and economical
- ASME certified tank for commercial use, passenger, and ATV tires
- 6 gallon steel tank (26142)
HEAVY DUTY HAMMERS

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>REPLACEMENT HANDLE</th>
<th>LENGTH</th>
<th>HEAD WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T245</td>
<td>35423</td>
<td>Fiber Glass Handled</td>
<td>TG110H</td>
<td>18&quot; (46 cm)</td>
<td>4.0 lbs (1.8 kg)</td>
</tr>
<tr>
<td>35359</td>
<td>35359</td>
<td>Universal HD Wheel Weight Hammer</td>
<td>T1100H</td>
<td>12&quot; (30.5 cm)</td>
<td>3 lbs (1.4 kg)</td>
</tr>
</tbody>
</table>

BEAD BREAKING WEDGES

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>REPLACEMENT HANDLE</th>
<th>LENGTH</th>
<th>HEAD WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1100</td>
<td>35320</td>
<td>Wood-Handled Wedge</td>
<td>T1101E</td>
<td>30&quot; (76.2 cm)</td>
<td>6 1/2 lbs (2.9 kg)</td>
</tr>
<tr>
<td>T1110</td>
<td>35426</td>
<td>Fiberglass Handled Wedge</td>
<td>T1101H</td>
<td>32&quot; (81.3 cm)</td>
<td>8 1/2 lbs (3.8 kg)</td>
</tr>
<tr>
<td>T1113</td>
<td>35427</td>
<td>Fiberglass Handle Wedge</td>
<td>T1101H</td>
<td>18&quot; (45.7 cm)</td>
<td>4 1/2 lbs (2.1 kg)</td>
</tr>
<tr>
<td>T1115</td>
<td>35330</td>
<td>Wood-Handled Wedge</td>
<td>T1110H</td>
<td>30&quot; (76.2 cm)</td>
<td>11 lbs (5.0 kg)</td>
</tr>
</tbody>
</table>

HEAVY DUTY IMPACT BEAD BREAKERS

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>HEAD WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T248</td>
<td>35924</td>
<td>Economy 48&quot; (116 cm) Length Extended 72&quot; (183 cm)</td>
<td>13 lbs (6 kg)</td>
</tr>
<tr>
<td>T308</td>
<td>35306</td>
<td>Heavy-duty 52&quot; (132 cm) Length Extended 80&quot; (203 cm)</td>
<td>23 lbs (10.4 kg)</td>
</tr>
</tbody>
</table>

8 IN 1 WRENCH

Eight of the most popular size wrenches in one strong, professional, compact and convenient tool. Also available in a 6 pc merchandising display.

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>LENGTH</th>
<th>HEAD WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35776</td>
<td>35376</td>
<td>Metric 7 1/2&quot; 10mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm</td>
<td>7 1/2 lbs (2.1 kg)</td>
<td></td>
</tr>
</tbody>
</table>

BUDD NUT WRENCHES

Wrenches hold outer cap nut on dual wheels while turning inner nut. Lip fits in hole to secure wrench in place. Sizes offered fit standard and metric Budd nuts.

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>HEAD WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T20</td>
<td>35329</td>
<td>Wood-Handled Wedge</td>
<td>T1101H</td>
<td>30&quot; (76.2 cm)</td>
</tr>
</tbody>
</table>

TRUCK WRENCH HANDLE

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>LENGTH</th>
<th>HEAD WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T165</td>
<td>32218</td>
<td>25&quot; (64 cm)</td>
<td>3/4&quot; hex</td>
<td>2.7 lbs (1.2 kg)</td>
</tr>
</tbody>
</table>
SAFETY!

WARNING: SAFETY CAGES — TIRE CHANGING CAN BE DANGER-

REMOTE VALVE. SEE SUPERVISOR FOR SAFETY PROCEDURES.

BYSTANDER. WEAR SAFETY GOGGLES. KEEP ALL PARTS OF BODY
DURING INFLATION CAUSING INJURY TO OPERATOR OR
STANDARD NO. 29CFR PART 1910.177. TIRES MAY EXPLODE
PROPER TOOLS AND EQUIPMENT AS DIRECTED BY FEDERAL OSHA
WARNING: SAFETY CAGES - TIRE CHANGING CAN BE DANGER-

3S444 DELUXE BLUE COBRA TRUCK TIRE SERVICE SET

Includes 25 TPMS Sensor Savers plus a fresh Tap.

29980 RECORE STARTER KIT FOR CLAMP-IN STYLE ALUMINUM SENSORS WITH GALVANIC CORROSION

3S444 DELUXE BLUE COBRA TRUCK TIRE SERVICE SET

Includes everything you need to service your TPMS Sensor replacement

ITEMS: 12 TPMS Sensor Savers, TPMS Valve Core Torque Tool (preset

at 4-in-lbs), High Speed Dual Cutter Countersink Drill Bit, Tap, Holder with T-handle, Bottle Ken-Lok™ Thread Sealant, Easy to follow

instructions, Blow-molded plastic storage case.

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instructions, Blow-molded plastic storage case.
**TIRE INFLATION CAGES**


<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>A HEIGHT</th>
<th>B WIDTH</th>
<th>MAX PSI</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T102</td>
<td>36002</td>
<td>4-Bar Cage</td>
<td>43-1/2&quot; (111cm)</td>
<td>20-1/2&quot; (52 cm)</td>
<td>130</td>
<td>146 lbs (66.2 kg)</td>
</tr>
<tr>
<td>T103</td>
<td>36003</td>
<td>6-Bar Cage</td>
<td>48-1/2&quot; (123 cm)</td>
<td>24-1/2&quot; (62 cm)</td>
<td>130</td>
<td>162 lbs (73.6 kg)</td>
</tr>
<tr>
<td>T104</td>
<td>36004</td>
<td>3-Bar Cage</td>
<td>43-1/2&quot; (111 cm)</td>
<td>20-1/2&quot; (52 cm)</td>
<td>130</td>
<td>158 lbs (71.2 kg)</td>
</tr>
<tr>
<td>T105</td>
<td>36005</td>
<td>5-Bar Cage</td>
<td>47-1/2&quot; (121 cm)</td>
<td>26&quot; (66 cm)</td>
<td>130</td>
<td>182 lbs (82.5 kg)</td>
</tr>
<tr>
<td>T106</td>
<td>36006</td>
<td>3-Bar Cage</td>
<td>43-1/2&quot; (111 cm)</td>
<td>20-1/2&quot; (52 cm)</td>
<td>130</td>
<td>162 lbs (73.6 kg)</td>
</tr>
<tr>
<td>T107</td>
<td>36007</td>
<td>7-Bar Cage</td>
<td>46&quot; (117 cm)</td>
<td>25&quot; (64 cm)</td>
<td>130</td>
<td>185 lbs (83.7 kg)</td>
</tr>
<tr>
<td>T109</td>
<td>36009</td>
<td>5-Bar Magnum</td>
<td>41-1/2&quot; (106 cm)</td>
<td>24-1/2&quot; (62 cm)</td>
<td>130</td>
<td>211 lbs (96 kg)</td>
</tr>
<tr>
<td>T110</td>
<td>36010</td>
<td>5-Bar Supermagnu</td>
<td>41-1/2&quot; (106 cm)</td>
<td>24-1/2&quot; (62 cm)</td>
<td>130</td>
<td>248 lbs (112.7 kg)</td>
</tr>
<tr>
<td>T111</td>
<td>36011</td>
<td>10-Bar Earthmover</td>
<td>76&quot; (193 cm)</td>
<td>42&quot; (107 cm)</td>
<td>100</td>
<td>628 lbs (284.1 kg)</td>
</tr>
</tbody>
</table>

**INFLATION CAGES**

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>A HEIGHT</th>
<th>B WIDTH</th>
<th>BASE</th>
<th>MAX PSI</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T113</td>
<td>36013</td>
<td>Magnum EZ Rotator™ with Ramp</td>
<td>41&quot; (104 cm)</td>
<td>16&quot; (41 cm)</td>
<td>7&quot; closed x 21-1/2&quot; (18 cm x 55 cm)</td>
<td>130</td>
<td>80 lbs (27.2 kg)</td>
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<tr>
<td>T114</td>
<td>36014</td>
<td>EZ Tire Rotator™ with Ramp</td>
<td>41-1/2&quot; (111 cm)</td>
<td>20-1/2&quot; (52 cm)</td>
<td>7&quot; closed x 27&quot; (18 cm x 68 cm)</td>
<td>130</td>
<td>72 lbs (32.6 kg)</td>
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<tr>
<td>T116</td>
<td>36016</td>
<td>EZ Rotator™</td>
<td>41-1/2&quot; (111 cm)</td>
<td>20-1/2&quot; (52 cm)</td>
<td>7&quot; x 30&quot; closed (18 cm x 76 cm)</td>
<td>130</td>
<td>80 lbs (36.2 kg)</td>
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</tbody>
</table>

**EZ TIRE ROTATORS™**

- Reduces Back Strain While Handling Large Tire & Wheel Assemblies
- EZ Tire Rotator fits any Ken-Tool 3-Bar, 4-Bar, and 5-Bar Inflation Cage, plus many competitive cages
- No need to lift or remove rim/wheel assembly from cage when repositioning valve stem for access through the cage tubes.
- Allows tire tech to easily and quickly rotate rim/wheel assembly inside the safety cage in order to adjust position of valve stems.
- Reduces handling, back strain and user fatigue; increases safety.
- Easily installed or moved to another cage no fastening required.
- No assembly required, simply place in center of the cage.
- Features heavy-duty 2" ball bearing rollers and 1/4" thick steel stock for long service.
- Boxed and UPS shippable.
- Made in the USA. Patented.

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>LENGTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T113</td>
<td>36013</td>
<td>Magnum EZ Rotator™ with Ramp</td>
<td>20&quot; x 24&quot; (51 cm x 61 cm)</td>
<td>22 lbs (10 kg)</td>
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<td>T114</td>
<td>36014</td>
<td>EZ Tire Rotator™</td>
<td>17-1/2&quot; x 25-1/2&quot; (44 cm x 65 cm)</td>
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<td>T116</td>
<td>36016</td>
<td>EZ Rotator™ with Ramp</td>
<td>20&quot; x 25&quot; (51 cm x 64 cm)</td>
<td>21 lbs (9.5 kg)</td>
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</table>

**VISES**

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>WEIGHT</th>
<th>JAW WIDTH</th>
<th>JAW OPENING</th>
<th>THROAT DEPTH</th>
<th>PIPE JAW CAPACITY</th>
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<tbody>
<tr>
<td>K55</td>
<td>64055</td>
<td>Professional Workshop Vise</td>
<td>27 lbs (12.3 kg)</td>
<td>5-1/2&quot; (14 cm)</td>
<td>7-1/2&quot; (19.1 cm)</td>
<td>3-1/4&quot; (8.3 cm)</td>
<td>1/16&quot; (0.2 mm)</td>
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<tr>
<td>K56</td>
<td>64056</td>
<td>Professional Workshop Vise</td>
<td>38 lbs (17.3 kg)</td>
<td>6-1/2&quot; (16.5 cm)</td>
<td>9-1/2&quot; (24.1 cm)</td>
<td>3-3/4&quot; (9.5 cm)</td>
<td>1/8&quot; (0.3 mm)</td>
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<tr>
<td>KT4900</td>
<td>64900</td>
<td>Professional Reversible Mechanic’s Vise</td>
<td>52 lbs (23.6 kg)</td>
<td>6-1/2&quot; (16.5 cm)</td>
<td>9-1/2&quot; (24.1 cm)</td>
<td>4&quot; (10.1 cm)</td>
<td>1/8&quot; (0.3 mm)</td>
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<td>KT4900B</td>
<td>64900B</td>
<td>Professional Reversible Mechanic’s Vise</td>
<td>74 lbs (33.6 kg)</td>
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<td>11-1/4&quot; (28.5 cm)</td>
<td>4-7/8&quot; (12.4 cm)</td>
<td>1/16&quot; (0.2 mm)</td>
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