



THE WORLD'S LEADING  
SUPPLIER OF **TIRE**  
**MANAGEMENT**  
& **INFLATION**  
SOLUTIONS





**HALTEC CORPORATION**  
 USES NUMEROUS  
**STATE-OF-THE-ART**  
 AUTOMATIC CNC TURNING  
 MACHINES DURING  
 OUR MANUFACTURING  
 PROCESS.

**HALTEC HAS BEEN REGISTERED AS AN ISO**  
**CERTIFIED COMPANY SINCE 1998.**  
 OUR MANUFACTURING, QUALITY AND INSPECTION  
 PROCESSES ARE ASSESSED BY AN INDEPENDENT  
 CERTIFICATION BOARD EVERY SIX MONTHS.

**HALTEC STOCKS**  
**VALVES FOR ALL**  
**APPLICATIONS:**  
 AUTOMOTIVE,  
 TRUCK, BUS,  
 AGRICULTURAL,  
 AND OFF-ROAD.

□ **TIRE VALVE SYSTEMS & TECHNOLOGY FOR THE WORLD**

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.

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.

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

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."

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**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**

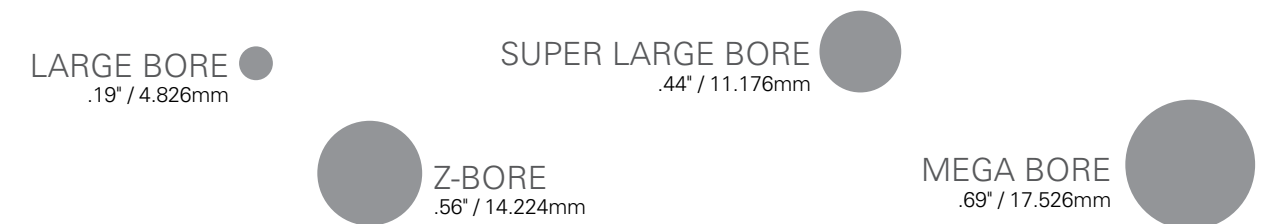
The chart below demonstrates the general characteristics of the four valve systems:

| VALVE SYSTEM     | FLOW RATE (CFM) | FITS VALVE HOLE | HOLE SIZE THREADED | SPECIAL INFLATOR NEEDED | RECOMMENDED FOR TIRE SIZES |
|------------------|-----------------|-----------------|--------------------|-------------------------|----------------------------|
| LARGE BORE       | 22 *            | 13/16"          | 1/2" NPT           | -                       | 11.25" - 29"               |
| SUPER LARGE BORE | 240             | 13/16"          | 1/2" NPT           | IN-80A/IN-95            | 20" up to 57"              |
| Z-BORE           | 370             | 13/16"          | 1/2" NPT           | Z12B/IN-95              | 33" up to 57"              |
| MEGA BORE        | 550             | 15/16"          | 3/4" NPT           | MB-8/IN-95              | 45" up to 63"              |

\* 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.



HALTEC manufactures over 30 different automatic tire inflators for purposes of general inflation.

### 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 is engineered specially for inflating larger industrial and mining tires which are often constantly in service and always running hot.

89XTC - TEMPERATURE COMPENSATING INFLATOR PAGE 71



89XTC

### TIRE VALVES

R-520 is designated as 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



R-520

### 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



I-496-20



### 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.



### AUTOMATIC TIRE INFLATORS

Haltec automatic inflators provide a precision tool to maintain properly inflated tires with high speed and accuracy. The custom manufactured 89MTIS Series inflates 1-5 wheels simultaneously with 0.3PSI accuracy. Accurate PSI needs to be the primary objective of every tire inflation/service program. The PSI in the tire needs to be accurate and the method of inflation must be simple and fast.  
89MTIS-3 - MOBILE MULTIPLE TIRE INFLATION SYSTEM PAGE 72



89MTIS-3

### TIRE VALVES AND FLOW-THROUGH CAP

Straight clamp-in valves used on both demountable and non-demountable rims. For .625" diameter valve hole. Bent valve stems also available.  
TV-500 - STRAIGHT CLAMP-IN VALVE PAGE 40



TV-500

The DS-1 flow-through valve cap is designed for high pressure truck tire service. Seals like a high pressure valve cap, yet offers the convenience of an inflate through extension.  
DS-1 - DOUBLE SEAL CAP PAGE 46



DS-1

### GAUGES AND AIR CHUCKS

Haltec's "Easy lock" air chucks provide an easy on/off application with an automatic locking-designed chuck. The 89MTIS-3CHKIT offers a variety of angled chucks to service your fleet's needs.  
ES-300 SERIES CHUCKS PAGE 75



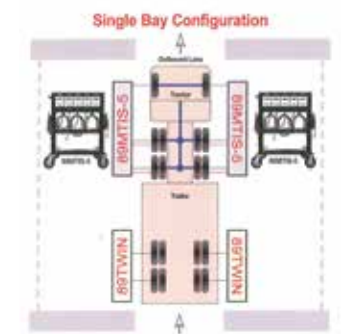
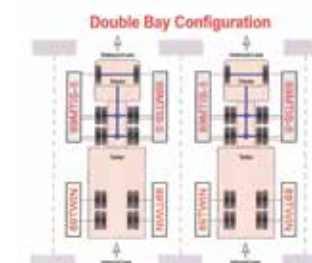
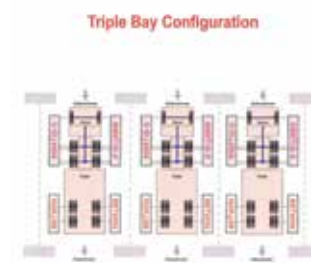
89MTIS-3CHKIT

### CUSTOM SOFTWARE SOLUTIONS

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.



### SHOP DESIGN/PRODUCT INTEGRATION SERVICES





### 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.



89TOW-4Y

### 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



89MXA / 89XDA

### 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



CH-360OP

### INFLATION HOSE

24' hose used with the 89MXA and 89XDA equipped with CH-360OP brass lock-on chuck.

89HKC-24 - 24' STRAIGHT HOSE W/COUPLER & CH-360OP AIR CHUCK PAGE 76



89HKC-24

### 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



TV-413



TV-413CH



P. 13



P. 12

## COMPONENTS OF THE HALTEC LARGE BORE SYSTEM

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.

- 1 There are two basic spud designs:
  - a. The standard clamp-in spud (H-41)
  - b. The screw-in spud (C-10)
- 2 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.
- 3 To service the inside dual there are three types of extensions offered:
  - a. A rigid extension (867 Series)
  - b. A hand-bendable extension (753S Series)
  - c. 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.



### 1 RIM SPUDS

#### H-41 TUBELESS SPUD TR-SP-2

Fits 13/16" rim hole. 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.



## 2 LARGE BORE SWIVEL VALVES

### SINGLE BEND SWIVEL VALVES

| HALTEC NO.   | TR NO.        | BEND ANGLE | "L" HORIZ. LENGTH |       | "H" VERTICAL HEIGHT |       |
|--------------|---------------|------------|-------------------|-------|---------------------|-------|
|              |               |            | INCHES            | MM    | INCHES              | MM    |
| N-1418       | -             | 74°        | 1 3/4             | 44.5  | 1 5/64              | 27.4  |
| WH-300-J-650 | J-650         | 80°        | 3 1/8             | 79.4  | 1 5/64              | 27.4  |
| WH-300-J-653 | J-653         | 80°        | 2 1/2             | 63.5  | 1 5/64              | 27.4  |
| WH-300-J-657 | J-657         | 80°        | 4                 | 101.6 | 1 5/64              | 27.4  |
| WH-300-4 1/2 | -             | 80°        | 4 1/2             | 114.3 | 1 5/64              | 27.4  |
| WH-300-J-658 | J-658         | 80°        | 5 1/2             | 139.7 | 1 5/64              | 27.4  |
| WH-300-9     | -             | 80°        | 9                 | 228.6 | 1 5/64              | 27.4  |
| WH-44-6      | -             | str.       | 6                 | 152.4 |                     |       |
| WH-45-2 1/2  | J-4000-2 1/2  | 90°        | 2 1/2             | 63.5  | 1 5/64              | 27.4  |
| WH-45-4      | J-4000-4      | 90°        | 4                 | 101.6 | 1 5/64              | 27.4  |
| WH-45-4 1/2  | J-4000-4 1/2  | 90°        | 4 1/2             | 114.3 | 1 5/64              | 27.4  |
| WH-45-5      | J-4000-5      | 90°        | 5                 | 127   | 1 5/64              | 27.4  |
| WH-45-6      | J-4000-6      | 90°        | 6                 | 152.4 | 1 5/64              | 27.4  |
| WH-45-7 1/2  | J-4000-7 1/2  | 90°        | 7 1/2             | 190.5 | 1 5/64              | 27.4  |
| WH-45-8      | J-4000-8      | 90°        | 8                 | 203.2 | 1 5/64              | 27.4  |
| WH-45-9      | J-4000-9      | 90°        | 9                 | 228.6 | 1 5/64              | 27.4  |
| WH-45-10     | J-4000-10     | 90°        | 10                | 254   | 1 5/64              | 27.4  |
| WH-45-10 1/2 | J-4000-10 1/2 | 90°        | 10 1/2            | 266.7 | 1 5/64              | 27.4  |
| WH-45-12     | J-4000-12     | 90°        | 12                | 304.8 | 1 5/64              | 27.4  |
| WH-45-13     | J-4000-13     | 90°        | 13                | 330.2 | 1 5/64              | 27.4  |
| WH-45-24     | J-4000-24     | 90°        | 24                | 609.6 | 1 5/64              | 27.4  |
| WH-45-28     | J-4000-28     | 90°        | 28                | 711.2 | 1 5/64              | 27.4  |
| WH-45-29 1/2 | J-4000-29 1/2 | 90°        | 29 1/2            | 749.3 | 1 5/64              | 27.4  |
| WH-45-30     | J-4000-30     | 90°        | 30                | 762   | 1 5/64              | 27.4  |
| WH-45-32     | J-4000-32     | 90°        | 32                | 812.8 | 1 5/64              | 27.4  |
| WH-45-36     | J-4000-36     | 90°        | 36                | 914.4 | 1 5/64              | 27.4  |
| WH-46-J-651  | J-651         | 90°        | 4 11/16           | 119   | 1 17/64             | 32.1  |
| WH-46-4 1/2  | -             | 90°        | 4 1/2             | 114.3 | 1 17/64             | 32.1  |
| WH-46-9      | -             | 90°        | 9                 | 228.6 | 1 17/64             | 32.1  |
| WH-47-J-652  | J-652         | 86°        | 5 1/2             | 139.7 | 1 5/64              | 27.4  |
| WH-47-4 1/2  | -             | 86°        | 4 1/2             | 114.3 | 1 5/64              | 27.4  |
| WH-47-9      | -             | 86°        | 9                 | 228.6 | 1 5/64              | 27.4  |
| WH-48-J-655  | J-655         | 74°        | 3 1/8             | 79.4  | 1 5/64              | 27.4  |
| WH-49-J-654  | J-654         | 60°        | 3 1/8             | 79.4  | 1 5/64              | 27.4  |
| WH-50-J-659  | J-659         | 90°        | 3 1/2             | 88.9  | 1 57/64             | 50.4  |
| WH-50-J-660  | J-660         | 90°        | 8 3/4             | 222.3 | 1 57/64             | 50.4  |
| WH-50-6      | -             | 90°        | 6                 | 152.4 | 1 57/64             | 50.4  |
| WH-50-7 1/2  | -             | 90°        | 7 1/2             | 190.5 | 1 57/64             | 50.4  |
| WH-51-J-668  | J-668         | 90°        | 4 11/16           | 119   | 5 1/8               | 130.2 |
| WH-52-2      | -             | 25°        | 2                 | 50.8  | 1 5/64              | 27.4  |
| WH-53-5 1/2  | -             | 80°        | 5 1/2             | 139.7 | 1 21/64             | 33.8  |
| WH-54-6      | -             | 90°        | 6                 | 152.4 | 2 25/64             | 60.8  |
| WH-55-2 1/2  | -             | 90°        | 2 1/2             | 63.5  | 2 25/64             | 60.8  |
| WH-55-8 1/2  | -             | 90°        | 8 1/2             | 216.2 | 2 25/64             | 60.8  |
| WH-56-3      | -             | 65°        | 3                 | 76.2  | 1 5/64              | 27.4  |
| WH-57-3      | -             | 80°        | 3                 | 76.2  | 1 5/64              | 27.4  |
| WH-58-2 1/2  | -             | 60°        | 2 1/2             | 63.5  | 2 1/8               | 54    |
| WH-59-J-656  | J-656         | 90°        | 3 11/16           | 93.7  | 2 5/8               | 66.7  |

### TECH TIP

ALL LARGE BORE SWIVEL VALVES CAN BE USED WITH EITHER OF THE RIM SPUDS FEATURED ON PAGE 12.



Any other lengths can be ordered. All valves equipped with core and hex cap. On lengths over 6", 2 lock nuts are furnished.



WH-70-J-664

## DOUBLE BEND SWIVEL VALVES

| HALTEC NO.         | TR NO. | BEND ANGLE | HORIZONTAL INCHES | LENGTH MM | VERTICAL INCHES | HEIGHT MM |
|--------------------|--------|------------|-------------------|-----------|-----------------|-----------|
| WH-70-J-661        | J-661  | 82°-8"     | 4 1/2             | 114.3     | 1 5/64          | 27.4      |
| WH-70-J-661-10 1/2 | -      | 82°-8"     | 10 1/2            | 266.7     | 1 5/64          | 27.4      |
| WH-70-J-661-25 1/2 | -      | 82°-8"     | 25 1/2            | 647.7     | 1 5/64          | 27.4      |
| WH-70-J-661-28     | -      | 82°-8"     | 28                | 711.2     | 1 5/64          | 27.4      |
| WH-70-J-664        | J-664  | 90°-13°    | 8 3/4*            | 222.3     | 1 5/64          | 27.4      |
| WH-70-J-664-12 1/2 | -      | 90°-13°    | 12 1/2*           | 317.5     | 1 5/64          | 27.4      |
| WH-70-J-667        | J-667  | 90°-11°    | 7 1/2*            | 190.5     | 1 5/64          | 27.4      |
| WH-71-J-9          | -      | 55°-35°    | 9                 | 228.6     | 1 33/64         | 38.5      |
| WH-72-J-21 1/4     | -      | 70°-20°    | 21 1/4            | 539.8     | 1 5/64          | 27.4      |
| WH-72-J-28         | -      | 70°-20°    | 28                | 711.2     | 1 5/64          | 27.4      |
| WH-73-J-21 1/4     | -      | 60°-30°    | 21 1/4            | 539.8     | 1 3/8           | 34.9      |

\*BENT AWAY FROM RIM

Any other lengths can be ordered.

All valves equipped with core and hex cap.  
On lengths over 6", 2 lock nuts are furnished.



WH-75-J-662

## TRIPLE BEND SWIVEL VALVES

| HALTEC NO.         | TR NO. | BEND ANGLE     | HORIZONTAL INCHES | LENGTH MM | VERTICAL INCHES | HEIGHT MM |
|--------------------|--------|----------------|-------------------|-----------|-----------------|-----------|
| WH-75-J-662        | J-662  | 90°-20°-20°    | 14                | 355.6     | 1 5/64          | 27.4      |
| WH-75-J-662-10 1/2 | -      | 90°-20°-20°    | 10 1/2            | 266.7     | 1 5/64          | 27.4      |
| WH-75-J-663        | J-663  | 90°-8°-8°      | 25                | 635       | 1 5/64          | 27.4      |
| WH-75-J-665        | J-665  | 90°-13°-13°    | 32                | 812.8     | 1 5/64          | 27.4      |
| WH-75-J-666        | J-666  | 84°-6°-31°-31° | 20 1/8            | 511.2     | 1 5/64          | 27.4      |

## 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.

| HALTEC NO. | TR NO. | BEND ANGLE | "L" HORIZ. LENGTH |      | CAP   |
|------------|--------|------------|-------------------|------|-------|
|            |        |            | INCHES            | MM   |       |
| WH-JF-994  | JF-994 | 28°        | 3 1/2             | 88.9 | A-151 |



WH-JF-994

## LARGE RADIUS, HIGH BEND AIR VALVE USED WITH 977S

All valves fit 13/16" valve hole. Uses A-145 valve core and A-149 cap.

| HALTEC NO. | BEND ANGLE | "L" LENGTH |       | "H" HEIGHT |      |
|------------|------------|------------|-------|------------|------|
|            |            | INCHES     | MM    | INCHES     | MM   |
| 114S-5 1/2 | 90°        | 5 1/2      | 139.7 | 2          | 50.8 |
| 114S-11    | 90°        | 11         | 279.4 | 2          | 50.8 |

Can be ordered in any length.



114S-5 1/2

## LARGE RADIUS, HIGH BEND AIR LIQUID VALVE

Uses Super Large Bore T-81 spud (TR-SP-8). Uses A-151 cap.

| HALTEC NO. | BEND ANGLE | "L" LENGTH |       | "H" HEIGHT |      |
|------------|------------|------------|-------|------------|------|
|            |            | INCHES     | MM    | INCHES     | MM   |
| 977S-5 1/2 | 90°        | 5 1/2      | 139.7 | 2          | 50.8 |
| 977S-11    | 90°        | 11         | 279.4 | 2          | 50.8 |

Can be ordered in any length.



977S-5 1/2



All Valves Complete With Core, Cap, Spud Nut, and Grommet.

## TURRET VALVE FOR PLANETARY GEAR WHEELS

| HALTEC NO.     | TR NO. | ANGLE BEND 1 | OFFSET |      | HORIZONTAL LENGTH |       | ANGLE BEND 2 |
|----------------|--------|--------------|--------|------|-------------------|-------|--------------|
|                |        |              | IN     | MM   | IN                | MM    |              |
| WH-330-J-690   | J-690  | 28°          | 9/16   | 14.3 | 4 11/16           | 119.1 | 28°          |
| *WH-330-J-691  | J-691  | 18°          | -      | -    | 3 5/16            | 84.1  | -            |
| *WH-330-J-691B | J-691  | 18°          | -      | -    | 8 1/2             | 203.2 | -            |
| WH-330-J-692   | J-692  | 28°          | 9/16   | 14.3 | 4 11/16           | 119.1 | 18°          |
| WH-330-J-693   | J-693  | 60°          | 1      | 25.4 | 5                 | 127   | 60°          |
| *WH-330-J-694  | J-694  | 28°          | -      | -    | 3 1/2             | 88.9  | -            |
| WH-330-J-695   | J-695  | 50°          | 1      | 25.4 | 4 1/8             | 104.8 | 50°          |
| WH-330-J-696   | J-696  | 42°          | 29/32  | 23   | 4 1/4             | 108   | 42°          |

\*Single bend



WH-330-J-691



DS-400-LENGTH



WH-44-LENGTH

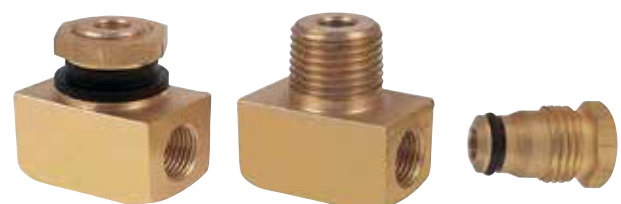
## DOUBLE SPUD VALVES

### 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

DS-390

H-43

### 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



T-670

## 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

| HALTEC NO. | HEIGHT  |      | CAP   |
|------------|---------|------|-------|
|            | INCHES  | MM   |       |
| T-670      | 1 25/32 | 45.4 | A-149 |



H-47

## TANK VALVE H-47

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

### TANK VALVE

| HALTEC NO. | TR NO. | HEIGHT  |      |
|------------|--------|---------|------|
|            |        | INCHES  | MM   |
| H-47       | J-671  | 1 19/32 | 40.5 |
| H-47L      |        | 2.1     | 53.3 |

## STRAIGHT VALVES

### H-41

Tubeless spud, used with all Large Bore swivel valves. Fits 13/16" rim hole.

### H-42

Straight valve, equipped with core and hex cap.

### H-45

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



H-41



H-42



H-45

### TECH TIP

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

## STRAIGHT VALVES

| HALTEC NO. | TR NO.    | HEIGHT |      |
|------------|-----------|--------|------|
|            |           | INCHES | MM   |
| H-41       | SP-2      | 11/16  | 15.8 |
| H-42       | TRJ-670-2 | 1 1/2  | 38.1 |
| H-45       | TRJ-670-3 | 1 5/8  | 41.3 |

## HAND-BENDABLE EXTENSIONS

| HALTEC NO.  | EFFECTIVE LENGTH |       |
|-------------|------------------|-------|
|             | INCHES           | MM    |
| 753S-3 1/2  | 3 1/2            | 89.6  |
| 753S-4      | 4                | 101.6 |
| 753S-4 1/2  | 4 1/2            | 114.3 |
| 753S-8      | 8                | 203.2 |
| 753S-9      | 9                | 228.6 |
| 753S-10     | 10               | 254   |
| 753S-11 1/2 | 11 1/2           | 292.1 |
| 753S-12     | 12               | 304.8 |
| 753S-13 1/2 | 13 1/2           | 342.9 |
| 753S-16     | 16               | 406.4 |
| 753S-17     | 17               | 431.8 |
| 753S-17 1/2 | 17 1/2           | 444.5 |
| 753S-18     | 18               | 457.2 |
| 753S-18 1/2 | 18 1/2           | 469.9 |
| 753S-19     | 19               | 482.6 |
| 753S-20 1/2 | 20 1/2           | 520.7 |
| 753S-21     | 21               | 533.4 |
| 753S-21 1/2 | 21 1/2           | 546.1 |
| 753S-22 1/2 | 22 1/2           | 571.5 |
| 753S-23     | 23               | 584.2 |
| 753S-23 1/2 | 23 1/2           | 596.9 |
| 753S-24 1/2 | 24 1/2           | 622.3 |
| 753S-25     | 25               | 635.3 |
| 753S-29 1/2 | 29 1/2           | 749.3 |
| 753S-32     | 32               | 812.8 |

## EXTENSIONS

### 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.



753S- LENGTH

### 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. 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.

## RIGID BRASS EXTENSIONS

| HALTEC NO. | EFFECTIVE LENGTH |       |
|------------|------------------|-------|
|            | INCHES           | MM    |
| 867-1 1/4  | 1 1/4            | 31.8  |
| 867-1 1/2  | 1 1/2            | 38.1  |
| 867-2      | 2                | 50.8  |
| 867-2 1/2  | 2 1/2            | 63.5  |
| 867-3      | 3                | 76.2  |
| 867-3 3/8  | 3 3/8            | 85.7  |
| 867-4      | 4                | 101.6 |
| 867-4 1/2  | 4 1/2            | 114.3 |
| 867-5      | 5                | 127   |
| 867-5 9/16 | 5 9/16           | 141.3 |
| 867-6      | 6                | 152.5 |
| 867-6 7/8  | 6 7/8            | 174.6 |
| 867-7 1/4  | 7 1/4            | 184.2 |
| 867-7 3/4  | 7 3/4            | 196.8 |
| 867-8      | 8                | 203.2 |
| 867-8 1/2  | 8 1/2            | 216.2 |
| 867-9      | 9                | 228.6 |
| 867-10     | 10               | 254   |
| 867-10 3/4 | 10 3/4           | 273   |
| 867-12     | 12               | 304.8 |
| 867-12 1/2 | 12 1/2           | 317.5 |
| 867-16     | 16               | 406.4 |
| 867-18 7/8 | 18 7/8           | 479.4 |
| 867-22 1/2 | 22 1/2           | 571.5 |
| 867-24 1/2 | 24 1/2           | 622.3 |

## FLEXIBLE EXTENSIONS

| HALTEC NO.  | EFFECTIVE LENGTH |       |
|-------------|------------------|-------|
|             | INCHES           | MM    |
| 810F-8      | 8                | 203.2 |
| 810F-9      | 9                | 228.6 |
| 810F-10     | 10               | 254   |
| 810F-11 1/2 | 11 1/2           | 292.1 |
| 810F-12     | 12               | 304.8 |
| 810F-13 1/2 | 13 1/2           | 342.9 |
| 810F-16     | 16               | 406.4 |
| 810F-17     | 17               | 431.8 |
| 810F-17 1/2 | 17 1/2           | 444.5 |
| 810F-18     | 18               | 457.2 |
| 810F-18 1/2 | 18 1/2           | 469.9 |
| 810F-19     | 19               | 482.6 |
| 810F-20 1/2 | 20 1/2           | 520.7 |
| 810F-21 1/2 | 21 1/2           | 546.1 |
| 810F-22 1/2 | 22 1/2           | 571.5 |
| 810F-23     | 23               | 584.2 |
| 810F-23 1/2 | 23 1/2           | 596.9 |
| 810F-24 1/2 | 24 1/2           | 622.3 |
| 810F-25     | 25               | 635   |
| 810F-29 1/2 | 29 1/2           | 749.3 |
| 810F-32     | 32               | 812.8 |
| 810F-40     | 40               | 1016  |

### RIGID BRASS EXTENSION

All-brass extension used where mounted in straight line with valve. Full-length deflector pin opens core in valve when servicing. Equipped with hex cap and 2 lock nuts on extensions over 5" in length. Replacement seal is available (part #F-454). **Other lengths can be ordered.**



867-LENGTH

### FLEXIBLE EXTENSION

Made with tough rubber hose and reusable hydraulic-type fittings. 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 are not included. They should be removed from valve and transferred to extension. **Other lengths can be ordered.**



810F-LENGTH

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

| HALTEC NO. | OVERALL LENGTH (") | NUMBER OF BENDS | TYPE      |
|------------|--------------------|-----------------|-----------|
| WHG-0570VC | 19 31/32           | 5               | Valve     |
| WHG-1450VC | 32 7/8             | 5               | Valve     |
| WHG-4985VC | 19 3/4             | 4               | Valve     |
| WHG-5112VC | 28 3/8             | 4               | Valve     |
| WHG-5200VC | 27                 | 5               | Valve     |
| WHG-5410VC | 31 9/16            | 5               | Valve     |
| WHG-5420VC | 33                 | 5               | Valve     |
| WHG-8018VC | 26 3/4             | 4               | Valve     |
| WHG-8019VC | 8                  | 1               | Valve     |
| WHG-8852VC | 18 9/16            | 4               | Valve     |
| WHG-9440VC | 27                 | 5               | Valve     |
| WHG-9470VC | 31 1/2             | 5               | Valve     |
| WHD-0585EC | 17 15/16           | 4               | Extension |
| WHD-5008EC | 17 13/16           | 4               | Extension |
| WHD-5922EC | 15 1/4             | 5               | Extension |
| WHD-7103EC | 16 1/4             | 4               | Extension |
| WHD-7601EC | 16 3/4             | 4               | Extension |
| WHD-7602EC | 14 1/4             | 4               | Extension |
| WHD-7940EC | 19                 | 5               | Extension |
| WHD-7948EC | 20 5/8             | 4               | Extension |
| WHD-7949EC | 28 7/8             | 4               | Extension |
| WHD-8262EC | 28 1/2             | 6               | Extension |
| WHD-9903EC | 16 7/8             | 4               | Extension |



## LARGE BORE SCREW-ON VALVES FOR INNER TUBES

| HALTEC NO. | TR NO.  | (A) ANGLE BEND | (B) VERT. HEIGHT |       | (C) HORIZ. LENGTH |       |
|------------|---------|----------------|------------------|-------|-------------------|-------|
|            |         |                | INCHES           | MM    | INCHES            | MM    |
| LB-216*    | J-1014  | Strt.          | 1 29/32          | 48.4  | -                 | -     |
| LB-217*    | J-1076A | Strt.          | 4 5/32           | 105.6 | -                 | -     |
| LB-218*    | J-1076B | 86°            | 1 1/8            | 28.6  | 3 1/4             | 82.6  |
| LB-219*    | J-1076C | 90°            | 1 1/2            | 38.1  | 2 7/8             | 73    |
| LB-220*    | J-1076D | 90°            | 2 1/16           | 52.4  | 2 5/16            | 58.7  |
| LB-221*    | J-1076E | 88°            | 1 3/8            | 34.9  | 3                 | 76.2  |
| LB-223*    | J-1175A | Strt.          | 5 9/32           | 134.1 | -                 | -     |
| LB-224*    | J-1175B | 82°            | 1 1/4            | 31.8  | 4 1/4             | 108   |
| LB-225*    | J-1175C | 88°            | 1 3/8            | 34.9  | 4 1/8             | 104.8 |
| LB-226*    | J-1078A | Strt.          | 5 25/32          | 146.8 | -                 | -     |
| LB-227*    | J-1078B | 82°            | 1 3/8            | 34.9  | 4 5/8             | 117.5 |
| LB-228*    | J-1078C | 90°            | 1 1/8            | 28.6  | 4 7/8             | 123.8 |
| LB-229*    | J-1179A | Strt.          | 6 13/32          | 162.7 | -                 | -     |
| LB-230*    | J-1179B | 88°            | 1 3/8            | 34.9  | 5 1/4             | 133.4 |
| LB-231*    | J-1179C | 86°            | 1 3/8            | 28.6  | 5 1/2             | 139.7 |

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.



LB-227\*

### H-4000 ADAPTER

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



H-4000

H-4000-1

## 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.



PT GAUGE WITH VALVE

## PT GAUGE

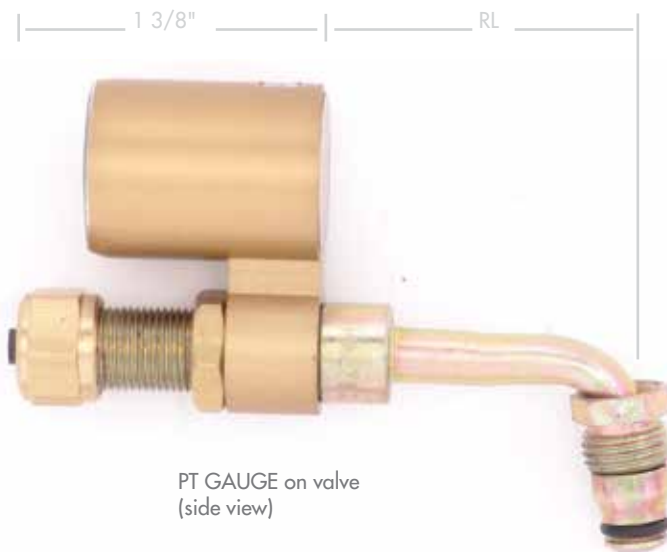
The PT Valve System is a design that allows tire pressure to be monitored with an easy-to-read, liquid filled, dial gauge attached to the valve. PT gauge is ordered separately. Comes with gauge and nut. Calibrated 0-160 PSI.

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 GAUGE on valve (side view)

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.

## 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.

## PTC BLOCK-OFF COLLAR

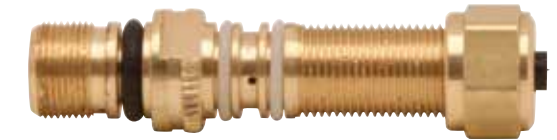
When the gauge is not being used, a PTC block-off collar can be installed to prevent air leakage. 5/8" hex.



PTC

## PT-R-520

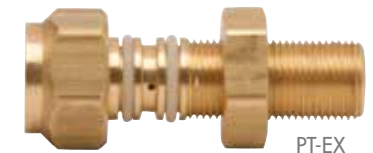
All PT valves have trouble-free, urethane O-rings on the valve barrel. For Super Large Bore applications, order the PT-R-520 core housing. Compatible for use with the IN-80A and IN-95.



PT-R-520

## PT-EX

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



PT-EX

## 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 VALVE SYSTEM

| HALTEC NO.   | DESCRIPTION   | CAP   |
|--------------|---|-------|
| PT Gauge     | Gauge with nut for use on PT valves, 0-160 PSI            | -     |
| PTC          | Block-off collar for PT valves when gauge is not attached | -     |
| PT-300-J-650 | WH-300-J-650 with PT grooves and O-rings                  | A-150 |
| PT-45-6      | WH-45-6 with PT grooves and O-rings                       | A-150 |
| PT-330-J-690 | WH-330-J-690 with PT grooves and O-rings                  | A-150 |
| PT-H-42      | H-42 with PT grooves and O-rings                          | A-150 |
| PT-753S-6    | 753S-6 with PT grooves and O-rings                        | A-150 |
| PT-R-520     | R-520 with PT grooves and O-rings for Super Large Bore    | A-150 |
| 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.

## TL-634

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



TL-634

## 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-B and IN-95A.



PT-Z10



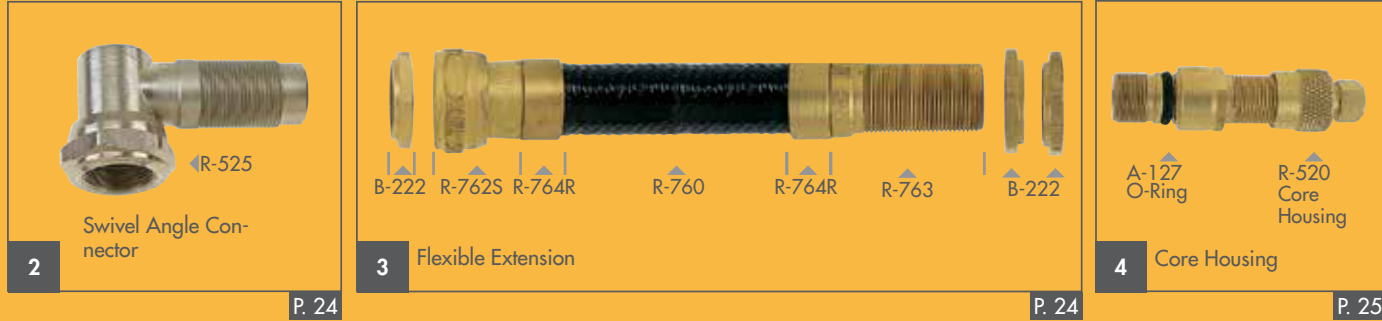
The PT valve hole allows the gauge to provide continuous pressure readings.

PT-45-6



PT-330-3 1/2

CLAMP-IN SPUDS, SCREW-IN SPUDS



### COMPONENTS OF THE HALTEC SUPER LARGE BORE SYSTEM

M-1950 complete swivel valve, including R-520 core housing and T-81 spud.  
M-1900: Same as M-1950 but without T-81 spud.

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-155/C-134)
  - 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.*

#### TECH TIP

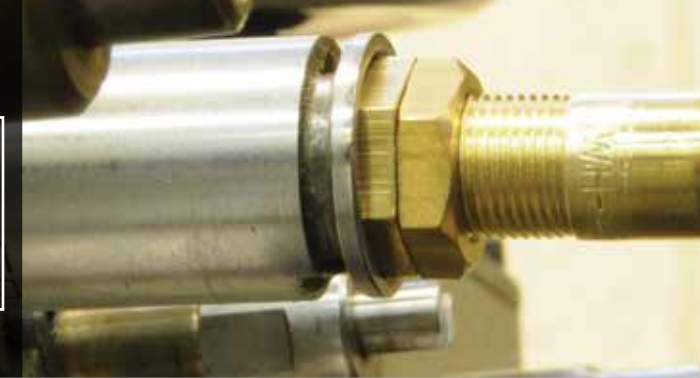


SCAN AND VIEW VIDEO FOR HYDRAULIC VALVE TOOL FIELD ASSEMBLY

#### TECH TIP



SCAN AND VIEW VIDEO FOR MANUAL VALVE TOOL FIELD ASSEMBLY



## 1 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 dismantled 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 rim 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 dismounting 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



R-525

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 a MT-3000 flexible extension which attaches to the R-520 core housing or the 6185 check valve.

| HALTEC NO.   | BEND ANGLE |
|--------------|------------|
| R-525        | 90°        |
| R-685        | 85°        |
| R-625        | 80°        |
| R-675        | 75°        |
| R-660        | 60°        |
| R-529 5 1/4" | 90°        |



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-969-K and R-969K-1 kits are available to field assemble your own flexible extensions with the T-620 assembly tool.



T-620

(Uses T-667 bolt and T-668 nut.)

## 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.



SLBHAT

## 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 B-222 nuts (2).

### R-969-K

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-763



R-520



R-762S



B-222



R-764R

## 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.



R-520B

### A-449 SUPER LARGE BORE PROTECTIVE CAP

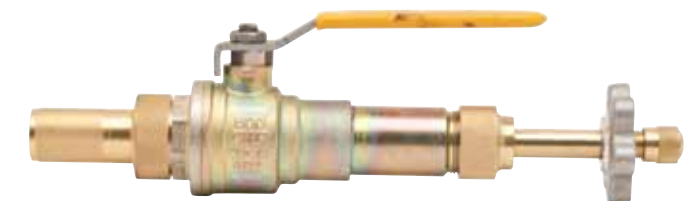
Locks the R-520 in place and cannot be removed until the A-449 is removed. Adds extra security by keeping the R-520 core housing in place deterring the tire from going flat. Protects the 1 1/16-24 thread on the valve.



A-449

### 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.



TL-800

## 5 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 removed 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 tires equipped with Super Large Bore valves.



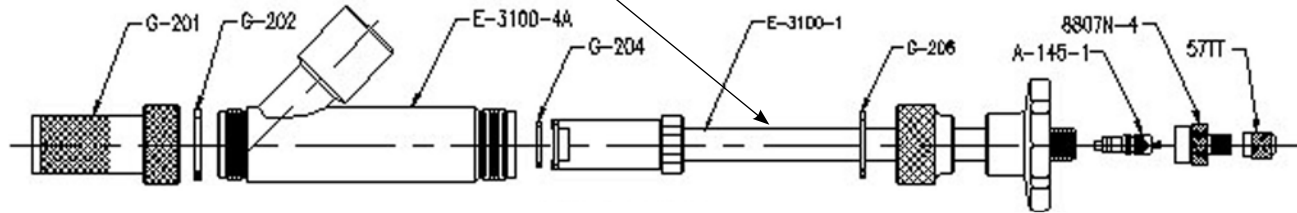
IN-80A



#### 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
- 57TT Standard Bore Cap

**NEW** 1 piece stainless steel construction



B050121005

### B050121005 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 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-800

### MR-850 SWIVEL VALVE

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



MR-850

### MR-890 TURRET VALVE

MR-890-Length. Rigid metal turret-type valve with R-520 core housing, B-222 lock nuts (3).



MR-890

### M-2000 SWIVEL VALVE ASSEMBLY

A 90° swivel valve having 3 1/8" horizontal length.

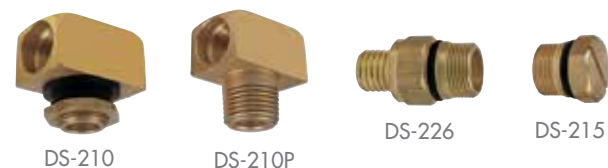


M-2000

## CUSTOM VALVES

Custom valves can be formed with any bends and lengths to fit specific applications.





## DOUBLE SPUD ASSEMBLY



## DS-296 SUPER LARGE BORE DOUBLE SPUD VALVE ASSEMBLY (WITH FLEXIBLE EXTENSION)

Designed for wheels where space is critical. Valve height above rim is only 7/8". Consists of DS-210 double spud, DS-215 plug and MT-4000-length flexible extension.



## MT-4000 LENGTH FLEXIBLE EXTENSION

Used with DS-296 and PB-210. Any length can be ordered. Consisting of: DS-226 connector, R-763 connector, R-764R sleeves (2), R-760 tubing.



## N -1538B

7 7/8" long Super Large Bore turret valve with 15° bend, used on Caterpillar applications.

N-1538B



## N -1543A

6 1/8" long Super Large Bore turret valve with 15° bend, used on Caterpillar applications.

N-1543A



N-1066

## N-1066 SUPER LARGE BORE LOADER VALVE

Accepts R-520 core housing or other Super Large Bore swivel fittings. Thread size is 1 1/16"-12. Super Large Bore version of T-670.



S-7910

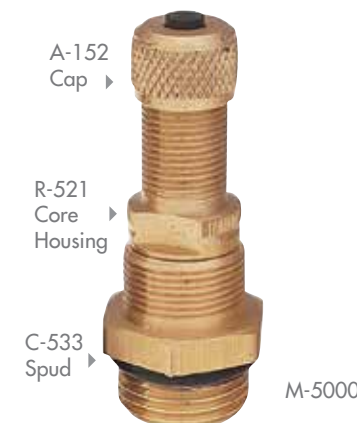
## S-7910 VALVE SUPPORT

Used for Super-Large Bore.

## SUPER LARGE BORE AIR-LIQUID VALVE FOR TRACTOR & GRADER

### M-5000 VALVE ASSEMBLY

Screw-in type spud with O-ring seal. R-521 core housings not interchangeable in other Super Large Bore spuds. Thread size is 3/4" - 16.



M-5000

### M-1870 VALVE ASSEMBLY

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



M-1870

### 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.



H-50

### R-372 (CH-16)

Fits T-81, C-100 & SP816 tube spud.



R-372

### 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.



## COMPONENTS OF THE HALTEC Z-BORE SYSTEM

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

- 1 There are three basic spud designs:
  - a. The standard clamp-in spud (Z2)
  - b. The screw-in spud (Z1)
  - c. The angle screw-in spud (Z4)
- 2 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.
- 3 The Z-Bore Flexible Extension can be made in various lengths.
- 4 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.
- 5 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.

### TECH TIP



SCAN AND VIEW VIDEO FOR FIELD ASSEMBLY

### RIM SPUDS



## 1 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.

### TECH TIP

Z-BORE FLOWS 370 CFM COMPARED TO 240 CFM ON THE SUPER LARGE BORE VALVE SYSTEM.

### 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 dismantled 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.



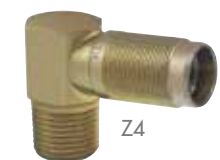
### Z13 SCREW-IN SPUD

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.







Z3-90

## 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 CONNECTOR

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

#### ANGLE CONNECTORS

| HALTEC NO. | ANGLE |
|------------|-------|
| Z3-60      | 60°   |
| Z3-75      | 75°   |
| Z3-80      | 80°   |
| Z3-90      | 90°   |

## 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-Bore 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.



ZBFE-LENGTH



HT-Z-100

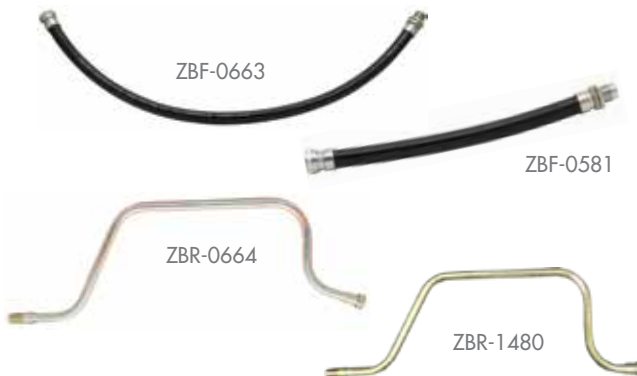
### HT-Z-100 HIGH TEMP SLEEVE

Used to protect Z-100 tubing.

## KOMATSU

### KOMATSU EXTENSIONS

| KOMATSU NO. | HALTEC NO. | NOTES     |
|-------------|------------|-----------|
| PC0664      | ZBR-0664   | Old Style |
| PC0581      | ZBF-0581   |           |
| PC0663      | ZBF-0663   |           |
| PC1480      | ZBR-1480   | New Style |



## ZFAK - ASSEMBLY KIT FOR Z-BORE VALVES

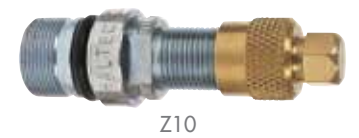
ZFAK consists of Z8 Swivel connector, Z17 straight tubing connector, two Z2-2 nuts, two Z9 tubing connector sleeves and Z10 core housing. Z-100 tubing is ordered separately.



The core housing is the final component. It contains a Large Bore valve core for servicing the tire assembly for routine pressure checks. The Z12-B inflator allows the complete removal of the core housing for the Z-Bore application. For proper field assembly, cut Z-100 hose 2 1/4" shorter than required length and complete with angle connectors and core housing.

## 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 Inflater to utilize the larger opening and the fullest flow.



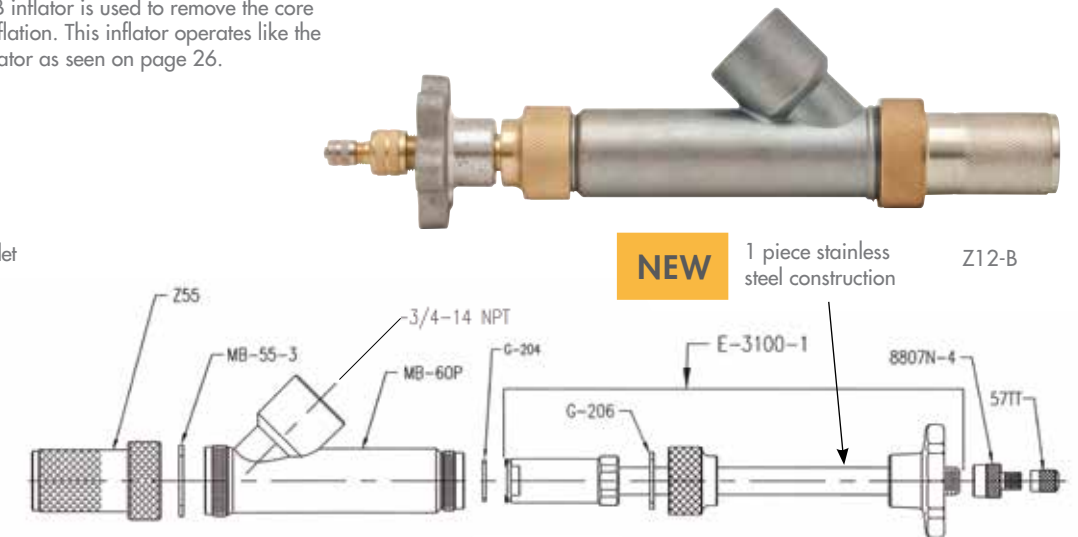
Z10

## 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 Z55
- G-204 Snap Ring for Collet
- E-3100-1 1 piece Stem & Collet
- G-206 Gasket for Stem Nut
- 8807N-4 Cap Adapter
- 57TT Standard Bore Cap



**NEW** 1 piece stainless steel construction Z12-B

## 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.



B070121007



## COMPONENTS OF THE HALTEC MEGA BORE SYSTEM

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.

- 1 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.
- 2 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.
- 3 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.
- 4 There is also a unique cap to the Mega Bore System to protect the side vent air holes and threads of the valve.
- 5 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.
- 6 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.

### TECH TIP



SCAN AND VIEW VIDEO FOR FIELD ASSEMBLY

## 1 RIM SPUDS

### MB-20 CLAMP-IN SPUD

Fits a 15/16" diameter valve hole. Tire must be dismantled to change spud. Attach any Mega Bore angle connector to the MB-20 spud.



MB-20

### MB-26 SCREW-IN SPUD

Fits a 3/4" NPT threaded valve hole, screw-in spud. Attach any Mega Bore angle connector to the MB-26 spud. Spud can be changed without demounting tire.



MB-26

### MB-12-85 & MB-12-75 SCREW-IN ANGLE SPUD

The screw-in spud is used on a 3/4" tapped rim hole. Attaches to a MB-14 rigid or a FMB flexible Mega Bore valve. The spud can be changed without demounting the tire.



MB-12-85

## 2 ANGLE CONNECTORS

### MB-19-85 & MB-19-75 ANGLE CONNECTORS

An angle connector screws onto the MB-20 spud. The other end of the connector accommodates a MB-14 rigid valve or a FMB flexible Mega Bore valve.



MB-19-85

### MB-29-85 ANGLE CONNECTORS

An angle connector screws onto the MB-20 spud. The other end of the connector accommodates a MB-27 rigid valve or Caterpillar O-ring face seal hydraulic hose.



MB-29-85

## 3 VALVES



MB-14

**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

**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-L

**FMB LENGTH MEGA BORE FLEXIBLE VALVE**  
Screws into the Mega Bore angle connectors or screw-in 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-L

**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

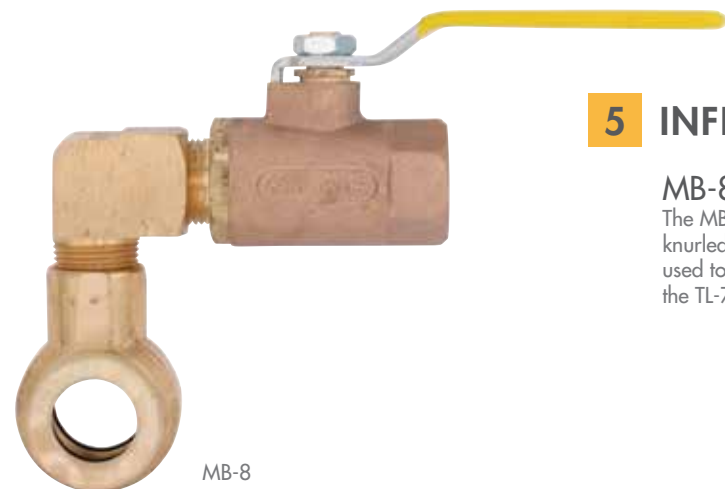
**MB-25 HEX CAP**  
Cap for the Mega Bore core housing. Protects core housing from damage. Has an O-ring seal. Has modified Hex that can be installed or removed using the TL-700.



MB-13

**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

**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 air flow after the core housing is retracted with the TL-700.

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



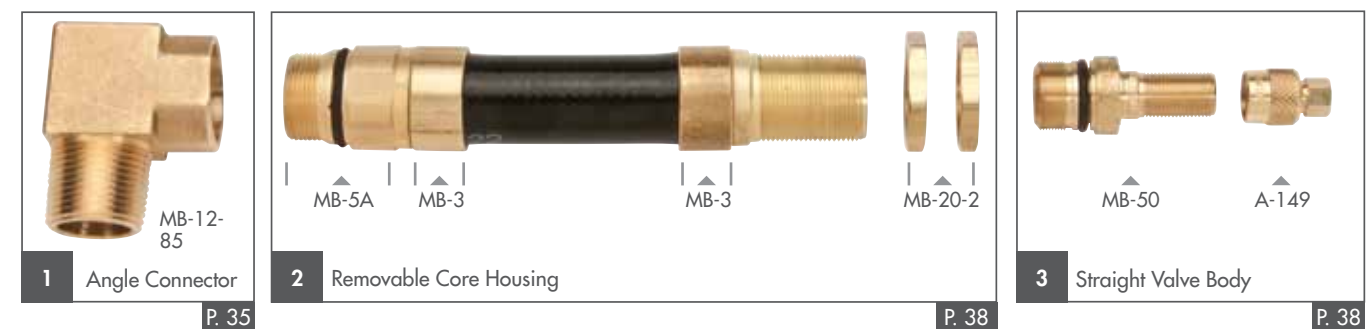
HT-R-761

**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.



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.



**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.



MB-56

## COMPONENTS FOR MEGA BORE FLEXIBLE VALVE FIELD ASSEMBLY



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.

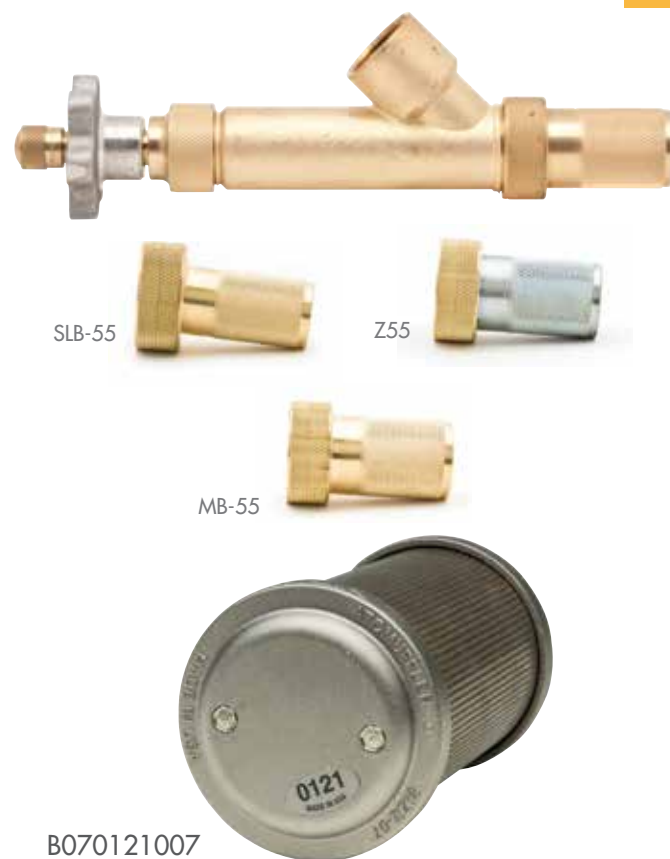
The IN-95 will insert or extract an R-372, R-520, Z10, or an MB-50 core housing and positively hold it up in the adapter body out of the air or liquid flow when filling or evacuating a tire. The inflator adapter can be attached to any liquid filling tire pump since it has 3/4" pipe thread. With the adapter 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. All IN-95 parts are brass except the collet, which is stainless steel and the hand knob, which is aluminum.

### B070121007 FOR IN-95

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.

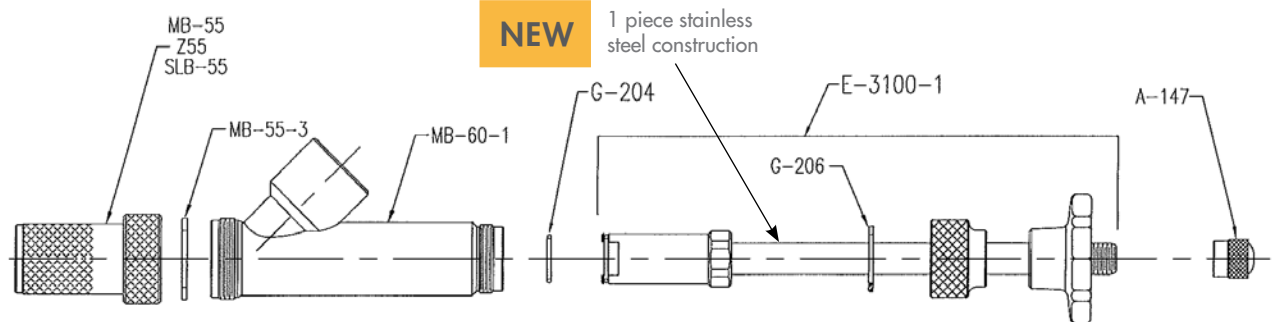
### IN-95 PARTS LIST:

- SLB-55 Super Large Bore ejector union
- Z55 Z-bore ejector union
- MB-55 mega 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



## TECH TIP

HALTEC O-RINGS PASS ALL OE SPECS

## STANDARD AND ARCTIC O-RINGS FOR TUBELESS RIMS

| HALTEC NO. | TIRE TYPE        | RIM SIZE | ROD DIAMETER |
|------------|------------------|----------|--------------|
| OR-21-T    | Highway          | 21"      | .26          |
| OR-25-T    | Earthmover       | 25"      |              |
| OR-20-JM   | Highway (JM Rim) | 20"      |              |
| OR-22-JM   | Highway (JM Rim) | 22"      |              |
| OR-24-JM   | Highway (JM Rim) | 24"      | .26          |
| OR-215-H   | Grader           | 15"      |              |
| OR-217-L   | Grader           | 17"      |              |
| OR-220-TG  | Grader           | 20"      |              |
| OR-224-TG  | Grader           | 24"      | .26          |
| OR-225-T   | Grader           | 25"      |              |
| OR-232-TG  | Grader           | 32"      |              |
| OR-321-T   | Earthmover       | 21"      |              |
| OR-325-T   | Earthmover       | 25"      | .28          |
| OR-329-T   | Earthmover       | 29"      |              |
| OR-332-TG  | Grader           | 32"      |              |
| OR-333-T   | Earthmover       | 33"      |              |
| OR-335-T   | Earthmover       | 35"      | .385         |
| OR-339-T   | Earthmover       | 39"      |              |
| OR-343-T   | Earthmover       | 43"      |              |
| OR-345-T   | Earthmover       | 45"      |              |
| OR-349-T   | Earthmover       | 49"      | .50          |
| OR-449-T   | Earthmover       | 49"      |              |
| OR-451-T   | Earthmover       | 51"      |              |
| OR-451-OVM | Earthmover       | 51"      |              |
| OR-457-T   | Earthmover       | 57"      | .50          |
| OR-457-OVM | Earthmover       | 57"      |              |
| OR-463-T   | Earthmover       | 63"      |              |
| OR-463-OVM | Earthmover       | 63"      |              |
| OR-469-T   | Earthmover       | 69"      | .50          |
|            |                  |          |              |

## STANDARD AND ARCTIC O-RINGS FOR TUBELESS RIMS

- Packaged 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
- Spliced O-ring with sonic weld technology
- Extruded 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.



High temperature compound O-rings available upon request



## L-RING SEALS FOR EARTHMOVER RIMS

| HALTEC NO. | DESCRIPTION     |
|------------|-----------------|
| LR-10      | 10" L-ring seal |
| LR-12      | 12" L-ring seal |
| LR-15      | 15" L-ring seal |
| LR-16      | 16" L-ring seal |
| LR-20      | 20" L-ring seal |
| LR-24      | 24" L-ring seal |
| LR-25      | 25" L-ring seal |
| LR-29      | 29" L-ring seal |
| LR-33      | 33" L-ring seal |
| LR-35      | 35" L-ring seal |
| LR-39      | 39" L-ring seal |
| LR-45      | 45" L-ring seal |
| LR-49      | 49" L-ring seal |
| LR-51      | 51" L-ring seal |
| LR-57      | 57" L-ring seal |
| LR-63      | 63" L-ring seal |
| LR-69      | 69" L-ring seal |

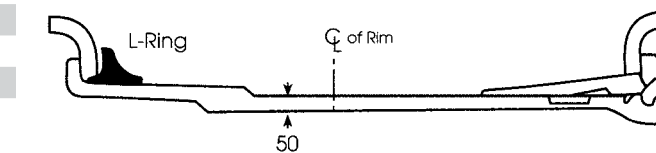
## L-RING SEALS FOR EARTHMOVER RIMS PROPER USE OF HALTEC L-RING SEALS

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 you have an irregular butt weld in the knurled bead seat area.
- Where, during initial inflation, the bead seating is very difficult.
- When an air passage between the bead and the rim is identified.
- Where overloads and severe operating conditions cause the rim deformation (deflection) which can result in air leakage.

### IMPORTANT INFORMATION

- L-Ring Seals are not a cure for damaged beads nor damaged wheels and rims. Caution should be used during all fitments. Do not install where broken bead is suspected.
- 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.





## TRUCK AND BUS VALVES

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

### TRUCK AND BUS VALVES

| HALTEC NO. | TR NUMBER | EFFECTIVE LENGTH |
|------------|-----------|------------------|
| TV-500     | 500       | 2'               |
| TV-501     | 501       | 1 1/2"           |
| TV-570     | 570       | 3 1/8"           |
| TV-571     | 571       | 3 3/8"           |
| TV-572     | 572       | 3 3/4"           |
| TV-573     | 573       | 4 3/8"           |
| TV-574     | 574       | 5"               |
| TV-575     | 575       | 1 1/8"           |

### 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.



TV-572-HT

### TV-572-HT WITH HIGH TEMP GROMMET

Equipped with the G-170S high temperature grommet. Ideal for buses, cement trucks, and garbage trucks.



TV-573-HT

### TV-573-HT WITH HIGH TEMP GROMMET

Equipped with the G-170S high temperature grommet. Ideal for buses, cement trucks, and garbage trucks.



TV-418

TV-413

TV-425

TV-413CH

TV-418CH

### SNAP-IN TIRE VALVE & CHROME SLEEVE TIRE VALVES

| HALTEC NO. | TR NO. | EFFECTIVE LENGTH | VALVE HOLE | NOTES         |
|------------|--------|------------------|------------|---------------|
| TV-412     | 412    | 7/8"             | .453       | Rubber Sleeve |
| TV-413     | 413    | 1 1/4"           | .453       | Rubber sleeve |
| TV-414     | 414    | 1 1/2"           | .453       | Rubber sleeve |
| TV-415     | 415    | 1 1/4"           | .625       | Rubber sleeve |
| TV-418     | 418    | 2"               | .453       | Rubber sleeve |
| TV-423     | 423    | 2 1/2"           | .453       | Rubber sleeve |
| TV-425     | 425    | 2"               | .625       | Rubber sleeve |
| TV-413-CH  |        | 1 1/4"           | .453       | Chrome sleeve |
| TV-418-CH  |        | 2"               | .453       | Chrome sleeve |

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

**NEW**

51025



### TECH TIP

ALL GROMMETS ON 570 SERIES VALVES ARE MADE IN THE USA

## 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.

### EINKY VALVES

| HALTEC NO. | BEND ANGLE | EFFECTIVE LENGTH | VALVE HOLE |
|------------|------------|------------------|------------|
| TV-6010    | STR.       | 3/4"             | .453       |
| TV-6020    | 45°        | 1 1/16"          | .453       |
| TV-6030    | STR.       | 1 1/4"           | .453       |
| TV-6040    | STR.       | 1 3/4"           | .453       |
| TV-6050    | 90°        | 1 3/16"          | .453       |

### TECH TIP

ALL HALTEC SNAP-IN VALVES PASS ALL SAE REQUIREMENTS



TV-6040

TV-6020

## CLAMP-IN VALVE

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

### CLAMP-IN VALVE

| HALTEC NO. | TR NO. | EFFECTIVE LENGTH | VALVE HOLE              |
|------------|--------|------------------|-------------------------|
| TV-416     | 416    | 1 1/4"           | .453 or .625            |
| TV-416L    | -      | 2"               | both grommets furnished |



TV-416

TV-416L

## TV-575HP/DS-1

- Ford .453 "Cut-Away" and Cargo Van Series with Single Rear Wheels
- Accuride Steel 16" x 7" Wheels
- Front & Rear Wheels
- Chrome Finish
- .453

## N-1600

- Ford "F" Series Trucks with Dual Wheels
- Alcoa Aluminum 16"
- Front & Rear Wheels
- Chrome Finish
- .453

## TV-416LF

- Ford "Cut-Away" Series with Dual Wheels
- Accuride Steel 16' x 16" Wheels
- Front & Rear Wheels
- Nickle Finish
- .453

## TV-416/DS-1

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

## TV-416MC

- Ford "F" Series Trucks with Dual Wheels
- Accuride Steel 16" x 16"
- Front & Rear Wheels
- Nickle Finish
- .453



TV-575HP/DS-1

N-1600



TV-416LF

TV-416/DS-1

TV-416MC

**TV-430 TUBELESS MOTORCYCLE VALVE**  
Has O-ring seal, fits .327" valve holes. Effective length is 1 3/16".



TV-430 TV-575-HP

**TV-575-HP**  
Low profile with 1" E.L. 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-6008C TV-6008 H-523MS

**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.



TV-801-HP TV-802-HP TV-600-HP TV-602-HP

| HALTEC NO. | TR NO. | EFFECTIVE LENGTH | VALVE HOLE |
|------------|--------|------------------|------------|
| TV-600-HP  | 600HP  | 1 1/4"           | .453"      |
| TV-602-HP  | 602HP  | 2"               | .453"      |
| TV-801-HP  | 801HP  | 1 1/4"           | .625"      |
| TV-802-HP  | 802HP  | 2"               | .625"      |

**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.



N-1147 N-1147L

**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.

| HALTEC NO. | TR NO. | EFFECTIVE LENGTH |
|------------|--------|------------------|
| RV-1177A   | 1177A  | 3 1/4"           |
| RV-1077A   | 1077A  | 4 1/8"           |
| RV-1175A   | 1175A  | 4 1/2"           |
| RV-1078A   | 1078A  | 5"               |
| RV-1179A   | 1179A  | 5 5/8"           |

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.



RV-1078A

**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)**

| HALTEC NO. | ETRTO    | BEND | A HEIGHT | B HEIGHT |
|------------|----------|------|----------|----------|
| 41 MS-00   | V3-20-1  | STR  | 1 3/16"  | -        |
| 60 MS-27   | No ETRTO | 27°  | 1 3/16"  | 1 3/16"  |
| 70 MS-27   | V3-20-5  | 27°  | 1 3/16"  | 1 9/16"  |
| 80 MS-27   | V3-20-7  | 27°  | 1 3/16"  | 2"       |
| 90 MS-27   | V3-20-4  | 27°  | 1 3/16"  | 2 3/8"   |
| 115 MS-27  | V3-20-6  | 27°  | 1 3/16"  | 3 3/8"   |

Other sizes available upon request



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

**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**

| HALTEC NO. | TR NO. | BEND ANGLE | E.L.   |
|------------|--------|------------|--------|
| TV-509     | TR-509 | 90°        | 4 3/4" |
| TV-510     | TR-510 | 90°        | 5 1/2" |
| TV-511     | TR-511 | 90°        | 4 1/4" |



TV-509

**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)**

| HALTEC NO. | VALVE TR NO. | A HEIGHT | BEND ANGLE | B LENGTH | HEX NUT |
|------------|--------------|----------|------------|----------|---------|
| TV-542     | 542          | 1.25     | -          | -        | HN-22   |
| TV-543     | 543          | 2.4      | -          | -        | HN-22   |
| H-543C     | 543C         | 0.93     | 45°        | 1.43     | HN-22   |
| TV-543D    | 543D         | 0.98     | 60°        | 1.38     | HN-22   |
| TV-543E    | 543E         | 0.98     | 75°        | 1.38     | HN-22   |
| TV-544     | 544          | 2.9      | -          | -        | HN-22   |
| TV-544C    | 544C         | 0.98     | 45°        | 1.94     | HN-22   |
| TV-544D    | 544D         | 0.98     | 60°        | 1.94     | HN-22   |
| TV-545     | 545          | 3.5      | -          | -        | HN-22   |
| TV-545D    | 545D         | 0.98     | 60°        | 2.6      | HN-22   |
| TV-545E    | 545E         | 0.98     | 75°        | 2.6      | HN-22   |
| TV-546     | 546          | 4.25     | -          | -        | HN-22   |
| TV-546D    | 546D         | 0.98     | 60°        | 3.35     | HN-22   |
| TV-546E    | 546E         | 0.98     | 75°        | 3.35     | HN-22   |
| TV-546G    | 546G         | 0.98     | 105°       | 3.35     | HN-22   |
| TV-546-36  | 546-36       | 0.98     | 36°        | 3.35     | HN-22   |
| TV-547D    | 547D         | 0.98     | 60°        | 3.78     | HN-22   |



TV-542 TV-544 TV-546D TV-543E

## TECH TIP

THE SLOT ON THE BOTTOM OF THE 550 SERIES ALLOWS FOR EASY INSTALLATION



## TV-550 SERIES

Features:

- Longer sealing life
- Greater corrosion resistance
- Larger 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

### GROMMET SEAL VALVES FOR ALCOA TRUCK WHEELS (9.7MM VALVE HOLE)

| HALTEC NO. | VALVE TR NO. | A HEIGHT | BEND ANGLE | B LENGTH | HEX NUT |
|------------|--------------|----------|------------|----------|---------|
| TV-552     | 552          | 1.26     | -          | -        | HN-22   |
| TV-553     | 553          | 2.4      | -          | -        | HN-22   |
| TV-553C    | 553C         | .93      | 45°        | 1.43     | HN-22   |
| TV-553D    | 553D         | .98      | 60°        | 1.38     | HN-22   |
| TV-553E    | 553E         | .98      | 75°        | 1.38     | HN-22   |
| TV-554D    | 554D         | .98      | 60°        | 1.94     | HN-22   |
| TV-555D    | 555D         | .98      | 60°        | 2.6      | HN-22   |
| TV-555E    | 555E         | .98      | 75°        | 2.6      | HN-22   |

## AIR-FLEXX VALVE EXTENSIONS NEW



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

Air-Flexx valve extensions are flexible but rigid enough to be used without a rim holder, clamp or stabilizer saving time and money. The extension withstands severe cold and heat without becoming brittle. The plastic casing will not corrode. The pin in the extension opens the tire valve only when checking pressure or inflating. If the extension is cut in half or broken no pressure is lost from the tire.

| ORDER  | APPLICATION   | LENGTH           |
|--------|---|------------------|
| HE-340 | Steer & Single Wheels with Hubcaps*                     | 2 15/16" (75mm)  |
| HE-341 | Steer & Single Wheels with Hubcaps*                     | 3 5/16" (85mm)   |
| HE-342 | Inner Dual Tires or Steer & Single Wheels with Hubcaps* | 4 1/8" (105mm)   |
| HE-343 | Inner Dual Tires*                                       | 5 11/16" (145mm) |
| HE-344 | Inner Dual Tires*                                       | 7 1/4" (185mm)   |
| HE-345 | Inner Dual Tires*                                       | 8 7/16" (215mm)  |
| HE-346 | Inner Dual Tires or Spare Wheels**                      | 12 3/8" (315mm)  |
| HE-347 | Inner Dual Tires or Spare Wheels**                      | 16 5/16" (412mm) |
| HE-348 | Inner Dual Tires or Spare Wheels**                      | 39 3/8" (1000mm) |

\* No need for clamp, holder or stabilizer

\*\* For use on spare wheels with angled extension of 45°, 90°, 135° or 180°



Use with a DS-1 flow-through valve cap to save time

## TRUCK VALVE EXTENSIONS

| HALTEC NO.     | DESCRIPTION     | COLLAR TYPE | EFFECTIVE LENGTH |
|----------------|-----------------|-------------|------------------|
| HE-369         | Truck Extension | Short 3/8"  | 1 3/8"           |
| HE-370         | Truck Extension | Short 3/8"  | 2"               |
| HE-371         | Truck Extension | Short 3/8"  | 2 15/16"         |
| HE-372         | Truck Extension | Short 3/8"  | 3 15/16"         |
| HE-373         | Truck Extension | Short 3/8"  | 5 1/8"           |
| HE-389         | Truck Extension | Long 1"     | 1 1/16"          |
| HE-390         | Truck Extension | Long 1"     | 2"               |
| HE-390A        | Truck Extension | Long collar | 2"               |
| HE-391         | Truck Extension | Long 1"     | 2 15/16"         |
| HE-391A        | Truck Extension | Long collar | 2 15/16"         |
| HE-392         | Truck Extension | Long 1"     | 5 1/8"           |
| HE-392A        | Truck Extension | Long collar | 5 1/8"           |
| HE-393         | Truck Extension | Long 1"     | 6"               |
| HE-393A        | Truck Extension | Long collar | 6"               |
| HE-394         | Truck Extension | Long 1"     | 8.0"             |
| HE-395         | Truck Extension | Long 1"     | 10.0"            |
| HE-396         | Truck Extension | Long 1"     | 12.0"            |
| HE-397         | Truck Extension | Long 1"     | 14.0"            |
| HE-4430        | Truck Extension | Long 1"     | 4"               |
| Standard Style | -               | -           | -                |
| HE-381         | Truck Extension | Long 1"     | 3 1/16"          |
| HE-382         | Truck Extension | Long 1"     | 5 1/16"          |
| HE-383         | Truck Extension | Long 1"     | 6 1/16"          |



## TRUCK VALVE EXTENSIONS HE-370 SERIES LIGHTWEIGHT EXTENSIONS

Series has the short collar for use on tube-type or tubeless valves. Available in 2"-3"-4" and 5" effective lengths. Has a double seal feature to assure a positive seal. .305-32 cap thread



## HE-380 SERIES STRAIGHT METAL EXTENSIONS

These screw on the standard valve stem (.305-32 cap thread) and make the valve mouth accessible for service. .305-32 cap thread



## HE-390 SERIES LIGHTWEIGHT EXTENSIONS

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



## HE-390A SERIES LIGHTWEIGHT ALUMINUM EXTENSIONS

Extremely light weight aluminum extensions.

## ALCOA STABILIZER

| HALTEC NO. | FITS ALCOA WHEEL SIZE | DIAMETER HAND HOLE | HOLE POSITION |
|------------|-----------------------|--------------------|---------------|
| FCSTBL     | Freightliner, 19.5    | Custom             | Center        |
| H-2125     | 19.5"                 | 1.50"              | Center        |
| H-2126     | 19.5"                 | 1.50"              | Off-Center    |
| H-2127     | 22.5 x 9.0            | 1.50"              | Center        |
| H-2225     | 22.5"                 | 2.00"              | Center        |
| H-2245     | 24.5"                 | 2.19"              | Off-Center    |
| H-2227     | 22.5"                 | 2.50"              | Center        |
| H-2228     | Peterbilt             | Oval               | Center        |
| H-2247     | 24.5"                 | 2.375"             | Off-Center    |
| H-27245    | 24.5                  | Hand Hole 2.69"    | Off-Center    |
| H-8864     | 22.5" & 24.5          | 2.50"              | Off-Center    |
| H-8964     | Prevost               | 2.00"              | Off-Center    |
| H-2248     | Freightliner          | 1.3125"            | Center        |
| MNCSTBL    | Monaco Coach          | Custom             | Off-Center    |
| ULTRASTB   | Ultra                 | Custom             | Off-Center    |

## STABILIZER & EXTENSION KIT

| HALTEC NO. | STABILIZER (2) | EXTENSIONS (2) |
|------------|----------------|----------------|
| 125392     | H-2125         | HE-392         |
| 126392     | H-2126         | HE-392         |
| 127392     | H-2127         | HE-392         |
| 127393     | H-2127         | HE-393         |
| 225392     | H-2225         | HE-392         |
| 225393     | H-2225         | HE-393         |
| 227392     | H-2227         | HE-392         |
| 227393     | H-2227         | HE-393         |
| 245392     | H-2245         | HE-392         |
| 247392     | H-2247         | HE-392         |
| 257392     | H-2257         | HE-392         |

## 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.



## TECH TIP

HALTEC'S DS-1 FLOW-THROUGH CAPS WILL INCREASE THE SPEED WITH WHICH YOUR FLEET DRIVERS AND MAINTENANCE TECHNICIANS COMPLETE THEIR TIRE MAINTENANCE. ALLOWS INFLATION AND DEFLATION AND PRESSURE CHECKS THROUGH CAP.



DS-1



DS-1G

## DOUBLE SEAL CAP DS-1

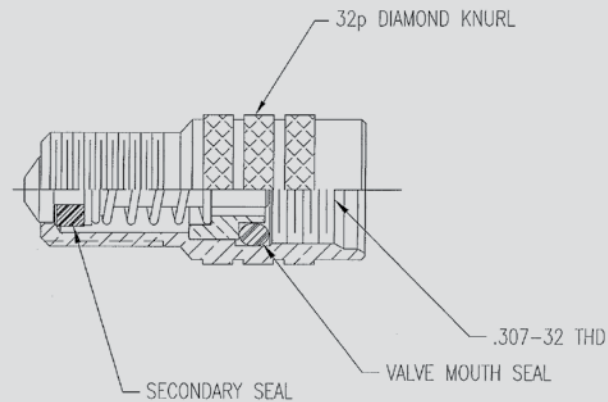
The DS-1 flow-through valve cap is designed for high pressure truck tire service. Seals like a high pressure valve cap, yet offers the convenience of an inflate through extension. It also performs like a check valve- the seal becomes tighter in the event of a core failure. The DS-1 reduces pressure check 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

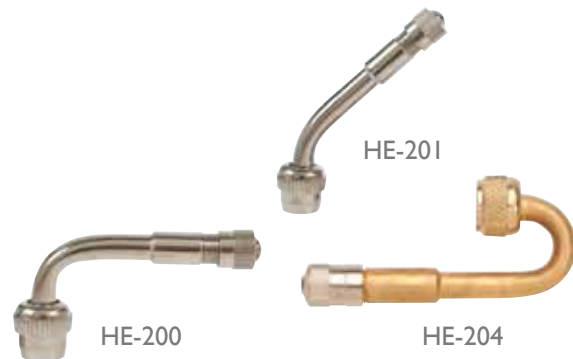
### Technical Specifications:

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



## BENT EXTENSIONS FOR STANDARD BORE VALVES

| HALTEC NO. | BEND | EFFECTIVE LENGTH | VERTICAL LENGTH |
|------------|------|------------------|-----------------|
| HE-200     | 90°  | 1 3/8"           | 3/4"            |
| HE-201     | 45°  | 1 3/8"           | 3/4"            |
| HE-202     | 135° | 1 3/8"           | 15/16"          |
| HE-203     | 24°  | 5 7/16"          | N/A             |
| HE-204     | 180° | 1 7/16"          | 1/2"            |



FE-300-L

10171 clamp



SFE-400-L

621-5 clamp available

## 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



H-7607

H-4361

H-798

### 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 5000 PSI working pressure.



H-6116B

### H-6116

Same as H-6116B except has straight extension.



H-6116

### 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.



5007

### 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-556

### H-2755

## HIGH-PRESSURE INFLATING CONNECTION

Fits .305-32 thread size with 3/8-24 thread for 3/16" flare tube fitting, meets MS33655E3. Has core depressor pin and copper sealing washer. Maximum working pressure 3000 PSI.



2755-L

H-2755

### 2755L

## LARGE BORE HIGH-PRESSURE INFLATING CONNECTION.

Fits .482-26 thread size with 3/8-24 thread for 3/16" flare fitting. Has core depressor pin and copper sealing washer. Maximum working pressure 3000 PSI.





### AIR LIQUID VALVES FOR TRACTOR AND ROAD GRADER SERVICE

| HALTEC NO. | TR NO.    | A        | B     | BEND ANGLE | VALVE HOLE |
|------------|-----------|----------|-------|------------|------------|
| TV-618A    | TR-618A   | 1 7/8"   | -     | -          | 0.625"     |
| TV-618B    | TR-618B   | 1 1/2"   | -     | -          | 0.625"     |
| TV-618RB   | -         | 1 1/2"   | -     | -          | 0.625"     |
| TV-618A-SS | TR-618ASS | 1 7/8"   | -     | -          | 0.625"     |
| TV-621A    | TR-621A   | 1 1/2"   | 3     | 65°        | 0.625"     |
| TV-622A    | TR-622A   | 1 3/4"   | 4 1/2 | 90°        | 0.625"     |
| TV-623A    | TR-623A   | 1 1/2"   | 2 1/4 | 65°        | 0.625"     |
| N-1000     | TR-619A   | 1 7/8"   | -     | -          | 0.812"     |
| H-50       | TR-F910B  | 1 13/16" | -     | -          | 0.812"     |



### TV-5905 AIR/ LIQUID EXTENSION

Used with tractor or grader valve stems. 90 degree angle for more accessible valve.

### TRACTOR AND GRADER TUBE

| HALTEC NO. | TR NO.  | BASE DIAMETER | CORE HOUSING | VERTICAL HEIGHT | VALVE HOLE |
|------------|---------|---------------|--------------|-----------------|------------|
| TV-218R    | TR-218A | 2 1/2"        | TV-CH-3      | 1 7/8"          | 0.625"     |
| TV-220R    | TR-220A | 2 1/2"        | TV-CH-3      | 2 15/16"        | 0.625"     |
| TV-916R    | TR-916A | 3 1/4"        | R-372        | 1 7/8"          | 0.812"     |

Valve assembles with removable core housing for liquid fill. Has Vulc-on back to allow field repair.

### B9A BUSHING ASSEMBLY

Fits over TR-218A and TR-220A valves to allow use of valve in the 13/16" valve hole. Consists of B9-1 bushing and B9-2 nut.



### LN-10 PLASTIC RIM NUT

Rim nut for tractor tube valves TR-218A and TR-220A. For brass rim nut, order LN-10B. See page 57 for TL-LN-10 installation tool.

### B-6 BUSHING

Fits over TR-13 tube valve when used in 5/8" valve hole.

### RIM HOLE PLUGS

#### P-15 FOR TUBE-TYPE WHEELS

Used to plug 5/8" rim hole and avoid tube "pouching."

#### T-30

Used to seal 13/16" rim hole when relocating valve.

#### N-1012S

Used to seal 5/8" rim hole when relocating valve.

#### ALSP

Air-liquid spud plug. Used to replace TV-CH-3 core housing.



### CORE HOUSING

#### TV-CH-1

Fits old-style TR-218 and TR-220 valves.



#### TV-CH-3

Fits all fast flow air-liquid valves except Super Large Bore.



#### R-372

Fits SP816 tube spud and T-81 & C-100 spud.

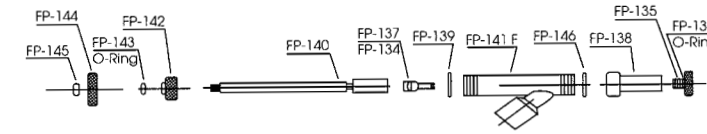


### 310 VALVE ADAPTER GUN

Has a 1/2" female pipe thread and will attach to any calcium tire filling pump, it will extract the valve core from a Standard Bore valve or the core housing up in the gun body during tire filling or evacuation of liquid from a tire. Due to the design, it will permit faster evacuation of liquid from a tire than with other adapter guns. Replaces Deming #1010.

#### 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



### N-1057

Flexible extension for 310 gun.



### AQF-1 AQUA QUICK FILL HALTEC

Patent No. 5,007,448 Haltec's Aqua Quick Fill is a simple, time-saving tool that allows the user to fill a tractor tire or large off-the-road tire with liquid, and do other tasks while the tire is being filled. No longer does the user have to stand by and vent the excess air pressure. With the AQF-1, air is automatically vented through a side port while the liquid is being injected into the tire. When the tire is filled, the water escapes from the vent hole, indicating that the tire is full.



### FLUID CONNECTORS

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



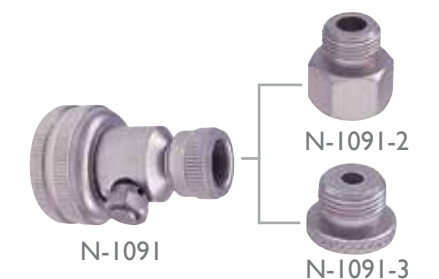
### NIPPLE N-1452

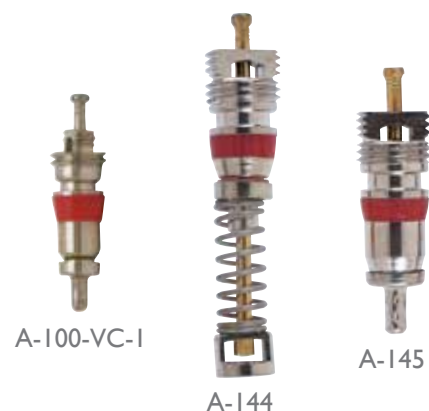
1/2 NPT male thread. For fluid use.



### N-1091 WATER ADAPTER

N-1091 For liquid fill tires.





## VALVE CORES

| HALTEC NO. | TIRE & RIM NO. | DESCRIPTION  |
|------------|----------------|--|
| A-100-VC-1 | C-1            | Standard Bore Heat-Resistant Core for Cars, Trucks and Busses. |
| A-144      | C-2            | Large Bore Core (long). Fits 305-32 Threads                    |
| A-145      | C-2            | Large Bore Core (short). Fits 305-32 Threads                   |



## VALVE CAPS (STANDARD BORE)

| HALTEC NO.  | TIRE & RIM NO. | DESCRIPTION   |
|-------------|----------------|---|
| 57TT        | -              | Short dome cap.   |
| 89TPMS-CAPG | -              | Chrome-Plated Plastic Hex Cap for TPMS                                    |
| A-100-VC-2  | VC-2           | Metal Screwdriver Valve Cap for Removing Valve Cores                      |
| A-100-VC-3  | VC-3           | Metal Dome Valve Cap  |
| A-100-VC-8  | VC-8           | Plastic Dome Valve Cap  |
| A-100-VC-8G | VC-8           | Plastic Green Dome Valve Cap  |
| A-100-VC-12 | -              | Heavy-Duty Dome Cap for Truck Service. Has Heat-Resistant Sealing Washer. |
| DS-1        | -              | Double Seal Valve Cap   |
| DS-1G       | -              | Double Seal Valve Cap (Green)   |
| N-1202      | -              | Chrome-Plated Hex Cap   |



## VALVE CAPS (LARGE BORE)

| HALTEC NO. | TIRE & RIM NO. | DESCRIPTION  |
|------------|----------------|--|
| A-148      | VC-6           | Screwdriver Valve Cap. Fits .482-26 Valve Threads.                                 |
| A-149      | VC-7           | Hex Valve Cap for Easy Tightening and Removing with Wrench. Fits .482-26 Valve Cap |
| A-147      | A-10           | Dome Cap   |
| 8807N-3    | VC-4           | Screwdriver Cap for 8807N-4 and AD-1 Adapters                                      |
| A-150      | -              | Large Bore Short Hex Cap   |
| A-151      | -              | Used Only with Hydro Inflating Valves.   |
| A-152      | VC-10          | Large Bore Short Dome Cap  |
| A-155      | -              | Plastic Large Bore Sealing Cap   |



## 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

| HALTEC NO. | TIRE & RIM NO. | FITS            | TEMP. RATING | USED ON                                  |
|------------|----------------|-----------------|--------------|--|
| 5976-5     | RG-54          | .453 Valve Hole | -60 - 250° F | TV-416, 416L, 6008                       |
| 5976-6     | RG-39          | .625 Valve Hole | -60 - 250° F | TV-416, 416L                             |
| G-160      | RG-22          | .812 Valve Hole | -60 - 250° F | H-41, T-81, T-30, DS-385, DS210          |
| G-162      | RG-16          | .812 Valve Hole | -60 - 250° F | Turret Valves, PB-210, H-1000            |
| G-165      | -              | .812 Valve Hole | -60 - 250° F | K-431, K-665                             |
| G-166      | RG-7           | .625 Valve Hole | -60 - 250° F | TV-618, 621A, 622A, 623A                 |
| G-170      | RG-15          | .625 Valve Hole | -60 - 250° F | TV-500 Series, TV-570 Series             |
| G-170S     | -              | .625 Valve Hole | -75 - 400° F | Heat-Resistant Grommet for TV-570 Series |
| G-172      | RG-46          | .625 Valve Hole | -60 - 250° F | TV-509, 510, 511                         |
| G-174      | RG-48          | .625 Valve Hole | -60 - 250° F | TV-513, 515                              |
| G-550      | RG-70          | .975 Valve Hole | -20 - 400° F | Fits TV-550 Series                       |



## HEX NUTS

| HALTEC NO. | TIRE & RIM NO. | FITS     | USED ON   |
|------------|----------------|----------|---|
| 451        | HN-15          | 11/16-16 | H-41, T-30  |
| 452        | -              | .485-26  | K-431   |
| 463        | -              | -        | 753S, 810F (Jam Nut)                                    |
| 464        | HN-1           | .485-26  | L.B. Valves, 753S, 810F, 867, TV-618A, 621A, 622A, 623A |
| 10071      | HN-13          | .406-26  | TV-500 Series, TV-570                                   |
| B-222      | HN-80          | 11/16-24 | M-1900, M-1950, H-4000, MR-800, MR-850, T81             |
| B9-2       | LN-13          | 11/16-24 | B9A Assembly  |
| HN-17      | HN-17          | .406-28  | TV-509, 510, 511  |
| HN-18      | HN-18          | .406-28  | TV-513, 515   |
| HN-21      | HN-21          | -        | TV-540 Series   |
| HN-22      | HN-22          | .375-32  | H-543C, TV-540, TV-550 Series                           |
| LN-1       | HN-2           | -        | FE-300 Series   |
| HN-23      | HN-23          | .375-32  | 70MS-7  |



## O-RINGS

| HALTEC NO. | TIRE & RIM NO. | TEMP. RATING | USED ON                               |
|------------|----------------|--------------|---------------------------------------|
| O-320      | -              | -40 - 250° F | Swivel Valves, H-43, H-42             |
| O-330L     | RG-60          | -75 - 400° F | TR-540 Series Valves                  |
| 10008      | -              | -40 - 250° F | T-670                                 |
| 10009      | -              | -40 - 250° F | M-5000                                |
| A-126      | -              | -40 - 250° F | R-762S, R-525 & SLB Angle Connections |
| A-127      | -              | -40 - 250° F | R-520, R-372, R-521                   |
| A-128      | -              | -40 - 250° F | DS-215, DS-226                        |



## WASHERS

| HALTEC NO. | TIRE & RIM NO. | FITS     | USED ON                      |
|------------|----------------|----------|------------------------------|
| 453        | -              | 11/16-24 | K-431, K-665                 |
| 10058      | RW-8           | .406-28  | TV-500 Series, TV-570 Series |
| 10058B     | RW-8           | .406-28  | TV-500 Series, TV-570 Series |
| RW-13      | RW-13          | .410-28  | TV-416                       |
| W-1101-1   | RW-11          | .485-26  | TV-618A, TV-621A, 622A, 623A |





## TANK VALVES

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

## TANK VALVES

| HALTEC NO. | OAL      | BASE THREAD | CAP THREAD | HEX SIZE |
|------------|----------|-------------|------------|----------|
| TV-399     | 1 5/16"  | 1/8" NPT    | .305-32    | 7/16"    |
| TV-400     | 1 5/16"  | 1/4" NPT    | .305-32    | 9/16"    |
| TV-401     | 27/32"   | 1/8" NPT    | .305-32    | 7/16"    |
| TV-402     | 1 5/16"  | 1/8" NPT    | .305-32    | 7/16"    |
| H-47       | 1 19/32" | 1/4" NPT    | .482-26    | 9/16"    |
| TV-400S    | 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.



HX-44



HX-24

## 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-135S       | 10-150 PSI      | 2 PSI      | Metal | Angled Chuck             | Chrome             |
| GA-140        | 10-160 PSI      | 2 PSI      | Nylon | Angled Chuck             | Chrome/Poly        |
| GA-155        | 10-150 PSI      | 2 PSI      | Nylon | Straight-on 30° Reverse  | Chrome             |
| GA-155S       | 10-150 PSI      | 2 PSI      | Metal | 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      | Nylon | Straight-on 30° Reverse  | Black Polyurethane |
| GA-165S-RCL** | 10-150 PSI      | 2 PSI      | Nylon | Straight-on 30° Reverse  | Chrome             |
| GA-175*       | 10-150 PSI      | 2 PSI      | Nylon | Angled Chuck             | Black Polyurethane |
| GA-185        | 10-150 PSI      | 2 PSI      | Nylon | Straight-on 180° Reverse | Chrome             |
| GA-185S       | 10-150 PSI      | 2 PSI      | Metal | Straight-on 180° Reverse | Chrome             |
| GA-185S-RCL** | 10-150 PSI      | 2 PSI      | Metal | Straight-on 180° Reverse | Chrome             |
| GA-189S-RCL** | 10-150 PSI      | 2 PSI      | Metal | Straight-on 30° Reverse  | Aluminum           |

\*\*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-160*  | 20-120 PSI      | 2 PSI      | Nylon | Straight-on 30° Reverse | Black Polyurethane |
| GA-170*  | 20-120 PSI      | 2 PSI      | Nylon | Angled Chuck            | Black Polyurethane |

\*Extended Head

## TIRE GAUGE GRIP

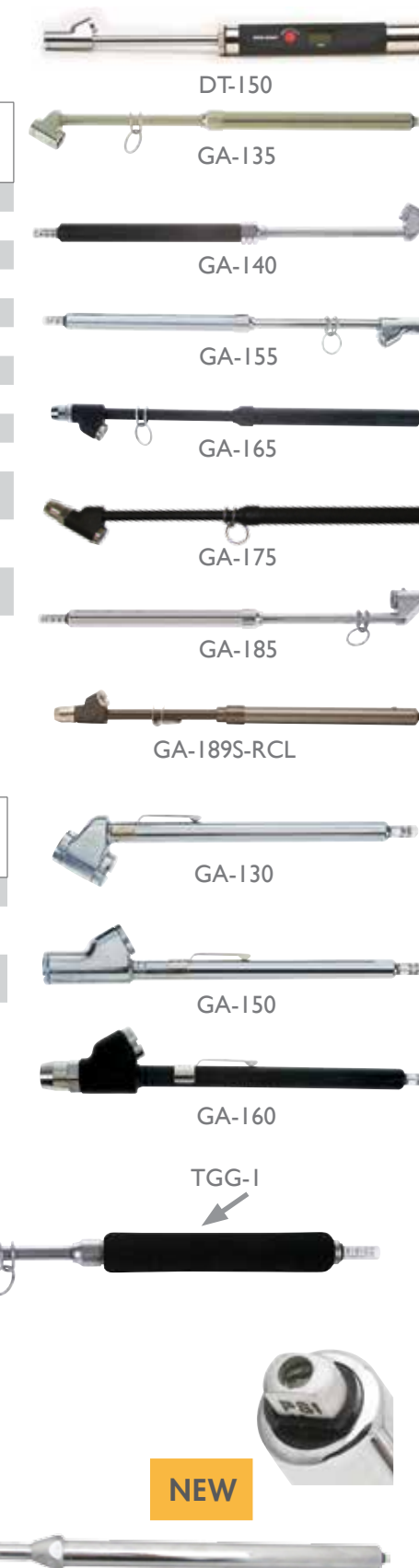
## TGG-1 TIRE GAUGE GRIP

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.



NEW



GA-146

GA-125

### 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.

| HALTEC # | OPERATING RANGE        | INCREMENTS | BAR   | SERVICE                | FINISH |
|----------|------------------------|------------|-------|------------------------|--------|
| GA-100   | 1-20 PSI               | 1/2 PSI    | Nylon | Garden Tractors, ATV's | Chrome |
| GA-105   | 10-50 PSI              | 1 PSI      | Nylon | Passenger Tire         | Chrome |
| GA-110M  | 10-50 PSI/73-325 kPa   | 1 PSI      | Nylon | Passenger Tire         | Chrome |
| GA-115   | 20-120 PSI             | 2 PSI      | Nylon | Truck High Pressure    | Chrome |
| GA-120M  | 20-120 PSI/150-800 kPa | 2 PSI      | Nylon | Truck High Pressure    | Chrome |
| GA-125   | 5-45 PSI               | 1 PSI      | Nylon | Air-Liquid Tires       | Chrome |
| GA-145   | 10-75 PSI/70-500 kPa   | 1 PSI      | Nylon | Radial & Spare Tire    | Chrome |
| GA-146   | 20-90 PSI              | 1 PSI      | Nylon | Radial & Light Truck   | Chrome |



### GA-100DIS

Colorful display of 10 gauges of our GA-100 model

### GA-105DIS

Colorful display of 10 gauges of our GA-105 model

### GA-115DIS

Colorful display of 10 gauges of our GA-115 model

*Private Label Gauges Available. Call For Details. 1-800-321-6471*



### 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 consists of 8 3/8" W x 7"H x 5" D.

GCS-A

### DIGITAL AIR GAUGES

| HALTEC NO.  | OPERATING RANGE | INCREMENTS (PSI) | APPLICATION   |
|-------------|-----------------|------------------|---|
| GA-850-330  | 0-160           | 0.5              | Standard Bore air gauge w/CH-330 dual foot air chuck  |
| GA-850-350  | 0-160           | 0.5              | Standard Bore air gauge w/CH-350 dual foot air chuck  |
| GA-850-370  | 0-160           | 0.5              | Standard Bore air gauge w/CH-370 dual foot air chuck  |
| GA-850-377S | 0-160           | 0.5              | Fits Large Bore Digital Air Gauge with 377S air chuck |
| DT-105      | 0-100           | 0.5              | Standard Bore digital air gauge                       |



GA-850-370



DT-105

### DIAL AIR GAUGES

| HALTEC NO. | OPERATING RANGE | INCREMENTS (PSI) | APPLICATION  |
|------------|-----------------|------------------|--|
| GA-274     | 0-160           | 5                | 14" Standard & Large Bore Air Liquid Gauge   |
| GA-276     | 0-160           | 5                | 18" Standard & Large Bore Gauge w/Extension Handle & bleeder valve                         |
| GA-290     | 0-160           | 1                | 12" Standard & Large Bore Air Master Gauge equipped with recalibration feature             |
| N-1055     | 0-160           | 5                | 12" Standard Bore Air Gauge; equipped with an CH-335 dual foot air chuck                   |
| GA-285     | 0-160           | 5                | 10" Dial Gauge with Rigid Extension  |
| GA-289     | 0-160           | 5                | Replacement Dial Gauge   |
| N-1510     | 0-160           | 5                | Cap Gauge; screws onto Large Bore & Super LargeBore valves for inspection of tire pressure |
| GA-300-377 | 0-160           | 2                | 15" Large Bore air gauge with built-in filter and accessible reservoir for easy cleaning   |



GA-290



N-1510



GA-300-377



GA-276



GA-285

N-1420H



### 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.
- Comes in a clear protective plastic pouch.
- Can be custom imprinted.
- Pocket-size.

GA-190



### 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



### GA-190S TIRE TREAD DEPTH GAUGE

With aluminum body, calibrated 1/32"

DT-190



### 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.

GA-240



### GA-240 STRAIGHT PENCIL GAUGE

Straight-on chuck fits Standard and Large Bore valves. Calibrated 20-120 PSI in 2-lb. increments. Furnished with pocket clip.

GA250



### GA-250 HIGH PRESSURE GAUGE

10-150 lbs. in 3 lb. units. For Standard and Large Bore valves. Has nylon indicating bar and Haltec Posi-Seal washer.

GA-255



### 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 lb. units
  - Swivels 360° for those hard-to-reach valves. Haltec Posi-Seal replacement washer (10095) available.

GA-255S-RCL



### GA-255S

Same as above with metal indicating bar.

### GA-255S-RCL - LARGE BORE SWIVEL GAUGE-RECALIBRATABLE

Recalibratable. Same description as GA-255S, see above.

N-1410



### 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



### 5131- OFF-HIGHWAY TREAD DEPTH GAUGE

Two piece gauge made up of 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 screw driver 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. 5.4" 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

With 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 RETHREADING TOOL

Used to rethread 11/16" - 24 thread on any Super Larger 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.



## LARGE BORE AIR CHUCKS



322

### 322 LARGE BORE DUAL FOOT AIR CHUCK

45° angle chuck allows easy access to the tire valve. Has 1/4" NPT female thread.



326

### 326 SCREW-ON AIR CHUCK

Has .485-26 internal thread and 1/2" NPT external thread. Full flow for seating of tire beads.



377

### 377 LOCK-ON AIR CHUCK (LONG)

Chuck locks on valve when cocked on threads. Has greater air flow and seat cannot be blown out if seal fails. Has 1/4" NPT female thread. Replacement washer 313. Also for use with Super Large Bore.



328



H-4660A

### 328 LOCK-ON AIR CHUCK (SHORT)

Chuck locks on valve when cocked on threads. Has greater air flow and seat cannot be blown out if seal fails. Has 1/4" NPT female thread.

### H-4660A CLIP-ON AIR CHUCK

Securely locks onto valve when sleeve is pushed forward, releases when sleeve is pulled back. Has 1/4" NPT female thread.

### H-4660B CLIP-ON AIR CHUCK

Same as H-4660A with a higher derometer seal.



10013



CH-425

### 10013 LARGE BORE SCREW-ON CHUCK

Fits 3/8" ID air hose. Screws on to Large Bore valves. Open and close the valve core by turning the knob on top of the chuck.

### CH-425 SCREW ON AIR CHUCK

Screws on to large bore valves. Designed for air craft inflation. Has 1/4" NPT female thread. Maximum working pressure up to 300 psi.



LBTK-1

### LBTK-1 - LARGE BORE TOOL KIT

Kit contains the 5131, TL-690, H-4660A, N-1910, GA-255S-RCL, 8909-C, N-1710, and N-1810.

## SAFETY!

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."

## 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-315

## CH-340 LOCK-ON AIR CHUCK

Securely locks onto valve when sleeve is pushed forward. Releases when sleeve is pulled back. 1/4" NPT female thread. Available for use with tire changers. Order CH-340-OP.



CH-340

## 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.



H-5265

## 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-305



CH-318

## 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. This is a closed-type chuck and offers the best seal available. Has serrated shank for 1/4" I.D. hose.



CH-320

### 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-360

### 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.



CH-360S

### N-1199

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



N-1199

### N-1200

Fits 1/4" I.D. hose-open style.



N-1200



CH-300  
CH-300-OP

**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  
CH-330-LO-OP

**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-330 Dual Foot Air Chucks: Same as CH-330-LO (above) except without lock-on feature.



CH-333-LO  
CH-333-OP

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



CH-335  
CH-335-OP

**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  
CH-345-OP

**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  
CH-346-OP

**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  
CH-347-OP

**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.

**CH-350-LO**  
A new design offers greater durability and is more user friendly on the straight-on and 30° reverse angle chuck. This 6" -long chuck finished with an attractive black polyurethane coating has 1/4" NPT female threads.



CH-350-LO  
CH-350-LO-OP

**CH-355-LO**  
Similar to CH-350-LO but with extra long length of 14".



CH-355-LO

**CH-370-LO**  
A special air chuck with a straight-on connection and a 180° reverse angle chuck allows easier access to valves located in tight, hard-to-reach places. The CH-370-LO is 6" long and has 1/4" female threads.



CH-370-LO  
CH-370-LO-OP

**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.

**SHUR-LOCK VALVE CORE TOOLS**

| HALTEC NO. | DESCRIPTION                             | LENGTH |
|------------|---|--------|
| TL-131     | Valve Core Tool for Standard Bore Cores | 7/8"   |
| TL-132     | Valve Core Tool for Cars                | 2"     |
| TL-133     | Valve Core Tool for Trucks              | 5 1/4" |
| TL-134     | Valve Core Tool for Large Bore Cores    | 4"     |



TL-131



TL-132



TL-134



TL-133

TL-686TR



**TL-686TR VALVE CORE TORQUE TOOL**  
Tire & Rim Association recommends torque of 3-5 inch/lbs. "Slip-Clutch" mechanism in tool slips after proper torque is reached. Prevents over torquing of valve cores. Also use for core removal.

TL-612



**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-620



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

TL-625



**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-630



**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-632



**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-633



**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 8.25" without handle.

TL-635



**TL-635 STANDARD BORE VALVE CORE TOOL**  
Haltec equivalent to Schrader 2688 and Eaton 5406. Tool is made from hex steel, making it very sturdy, yet economical.

TL-640



**NEW**

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

**TL-645 VALVE FISHING TOOL**  
Combines valve core wrench and deflating pin with flexible cable for fishing valve through rim hole. Available in 24" - TL-645-24.



TL-645

**TL-650 FISHING TOOL**  
Guides, aligns and holds valve through valve hole while mounting tire. 10" length.



TL-650

**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-665

**TL-610 STANDARD BORE 4-WAY VALVE TOOL**  
Repairs and reconditions inside and outside valve threads. Inserts and removes cores. Corrosion-resistant, cadmium-plated.



TL-610

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



TL-615

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



ASP-1

**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-CT

**VP-15 VALVE PAL**  
**VP-8 VALVE PAL JR.**  
Tool removes and reinstalls standard valve caps.



VP-15

**TL-685 CORE INSTALLATION TOOL**  
5" length.



FITS LARGE BORE

FITS STANDARD BORE

TL-685





I-405-3LOM

### 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 clip-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 clip-on air chuck. Also available with hose lengths of 3' or 9'. Specify length when ordering.



I-440

**NEW**

| HALTEC NO.  | DESCRIPTION                     | HOSE LENGTH | AIR CHUCK      |
|-------------|---------------------------------|-------------|----------------|
| I-405-3M    | Inflator with Clip-on Air Chuck | 3'          | CH-360-OP      |
| I-405-6M    | Inflator with Clip-on Air Chuck | 6'          | CH-360-OP      |
| I-405-9M    | Inflator with Clip-on Air Chuck | 9'          | CH-360-OP      |
| I-405-12M   | Inflator with Clip-on 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 Clip-on Air Chuck | 3'          | CH-360         |
| I-440-6     | Inflator with Clip-on Air Chuck | 6'          | CH-360         |
| I-440-9     | Inflator with Clip-on Air Chuck | 9'          | CH-360         |
| I-440-12    | Inflator with Clip-on Air Chuck | 12'         | CH-360         |



I-406M

### 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.

### 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 ribbed rubber shroud.

| HALTEC NO. | DESCRIPTION         | HOSE LENGTH | AIR CHUCK      |
|------------|---------------------|-------------|----------------|
| I-520      | Dial Gauge Inflator | 16'         | N-1200         |
| I-515-3    | Dial Gauge Inflator | 3'          | CH-360-OP      |
| I-515-6    | Dial Gauge Inflator | 6'          | CH-360-OP      |
| I-515-9    | Dial Gauge Inflator | 9'          | CH-360-OP      |
| I-515-12   | Dial Gauge Inflator | 12'         | CH-360-OP      |
| I-530-3    | Dial Gauge Inflator | 3'          | CH-330-LO-OP-1 |
| I-530-6    | Dial Gauge Inflator | 6'          | CH-330-LO-OP-1 |
| I-530-9    | Dial Gauge Inflator | 9'          | CH-330-LO-OP-1 |
| I-530-12   | Dial Gauge Inflator | 12'         | CH-330-LO-OP-1 |



I-515-6

### 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.

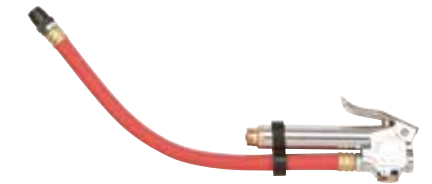


I-450

### I-6017 INFLATION GAUGE

12" flexible hose with 1/4" NPT inlet and standard bore inflation tip. Precise inflation control, 10-90 lbs. in 2-lb. increments.

- Chrome-plated Body
- Plated Steel Handle
- All brass internal parts
- Solid brass triangular gauge for easier reading



I-6017

### RI-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



RI-250-20

**NEW**

I-401



### 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-4660A 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 10013 Large Bore screw-on chuck.

I-402



### 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



### 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-4660A, 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



### 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



### I-409 LARGE BORE INFLATION GAUGE

Large Bore inflation unit with in-line gauge. Equipped with H-4660A 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" ID for maximum air flow.



I-350-20

### 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" ID for maximum air flow.



I-340-20

### 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

#### 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, AUTO- MOBILE 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.

**NEW**

- 1/4" & 1/2" inlet/outlet
- Operating range: 5-145 PSI
- Inlet pressure gauge



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



**89XDZ 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



**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

Please contact your Haltec aviation account manager for a list of approved high pressure air chucks.

**89-F17 MOBILE AIRCRAFT INFLATION CART**  
 IDEAL FOR MOBILE AIRCRAFT TIRE SERVICING.

**NEW**

- Two high cylinder nitrogen tanks
- Can be used with all Haltec inflators



**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



## 89MTIS-5 MULTIPLE TIRE INFLATION SYSTEM (5WAY)



### IDEAL FOR MULTIPLE TIRE SERVICING.

- Inflates up to 5 wheels simultaneously at a 5-145 psi pressure
- Semi pneumatic locking swivel wheel
- Color Coded 1/4" inflation hose
- 1/2" and 1/4" 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



## 89MTIS-3 MULTIPLE TIRE INFLATION SYSTEM (3WAY)



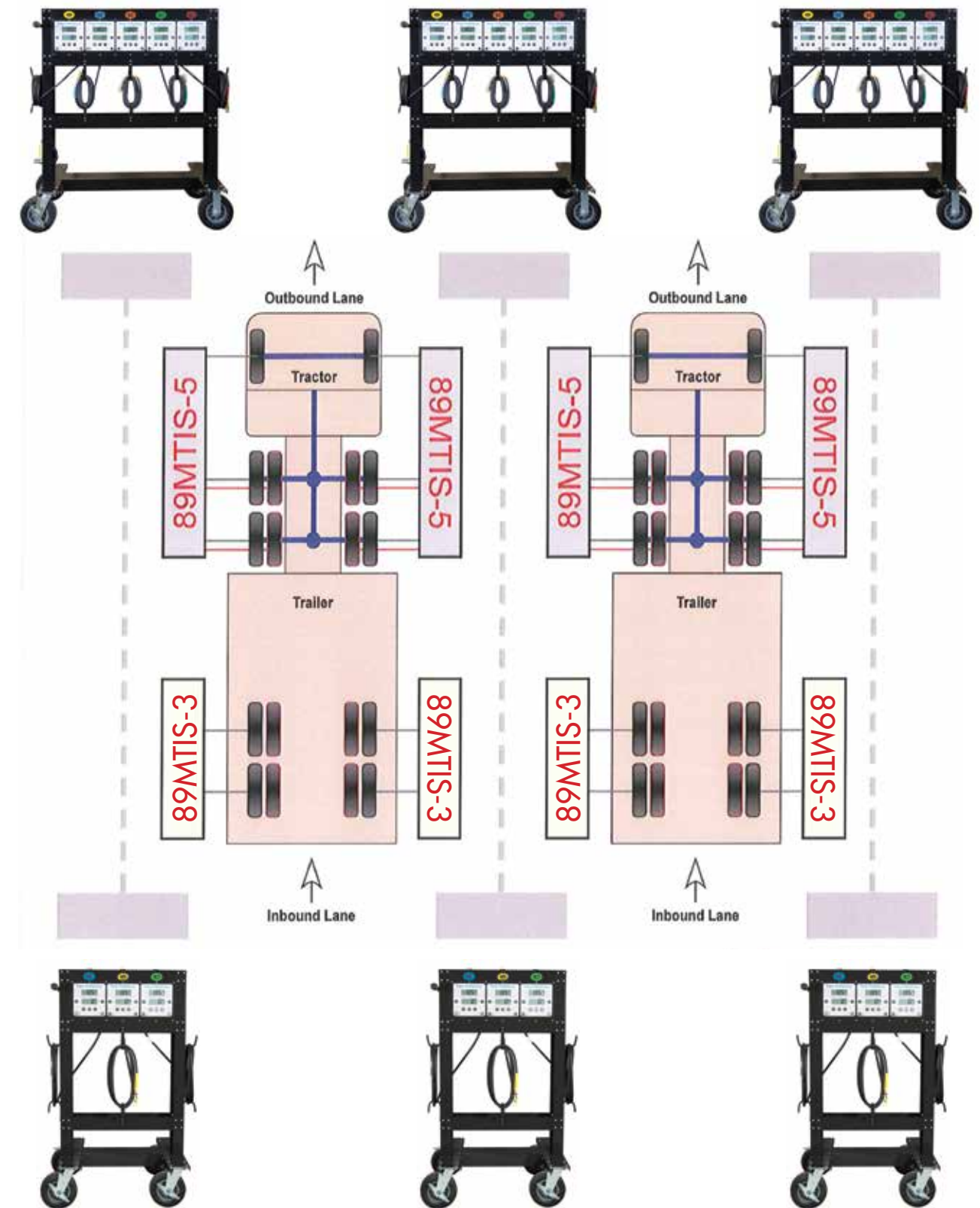
To reorder chuck replacement kit use part # 89MTIS-3CHKITA



To reorder chuck replacement kit use part # 89MTIS-CHKITA  
Included accessories with purchase of system:



## DOUBLE BAY CONFIGURATION





89PIU

**89PIU HAND PORTABLE INFLATOR;**  
IDEAL FOR SERVICE TRUCKS AND OPERATIONS THAT REQUIRE A MOBILE INFLATION SOLUTION.

- Smallest portable inflator
- Single tire inflation
- Durable and light weight
- 1/4" Inlet & outlet
- Operating Range: 5-145 PSI

**NEW**



89-PDI-R

**89-PDI-R PORTABLE DUAL SCREEN INFLATOR**  
IDEAL FOR SERVICE TRUCKS AND OPERATIONS THAT REQUIRE A MOBILE INFLATION SOLUTION.

- Durable and light weight
- 1/4" inlet/outlet
- Operating range: 5-145 PSI



89TRL-6B

**89TRL-6B MOBILE INFLATOR;**  
IDEAL FOR QUICK LUBE CENTERS AND AUTO DEALERSHIPS.

- Ability to service 1-6 tires simultaneously
- 1/4" Inlet & outlet
- Operating Range: 5-145 PSI
- To order with internal charger use part # 89TRL-6B-IC



89TWIN

**89TWIN DUAL TIRE INFLATION SYSTEM;**  
IDEAL FOR SERVICE CENTERS AND MOUNTING FACILITIES.

- Inflates 1-2 wheels simultaneously
- 3 pre-set pressure options with inflation override button
- 1/2" inlet/outlet

**NEW**



89TWIN-DS

**89TWIN-DS DUAL SCREEN TIRE INFLATION SYSTEM;**  
IDEAL FOR SERVICE CENTERS AND MOUNTING FACILITIES.

- Dual LCD screens indicate gauged and target pressure
- 1/2" inlet/outlet
- Operating range: 5-145 PSI

## EASY LOCK AIR CHUCK

SEALS EASY & LOCKS TIGHT THE FIRST TRY!

ES-311 CLOSED  
ES-312 OPEN

3" CHUCK STRAIGHT



"EASY LOCK" AIR CHUCK

- Easy on/off application, custom coupler lock with slide release
- Automatic locking-design chuck
- Hardened steel pins for increased service life
- Improves seal on DS-1 flow-through caps
- Extended reach for dual wheels
- Available open or closed



ES-313 CLOSED  
ES-314 OPEN

6" CHUCK STRAIGHT



ES-307 CLOSED  
ES-308 OPEN

8" CHUCK WITH 15° REVERSE ANGLE



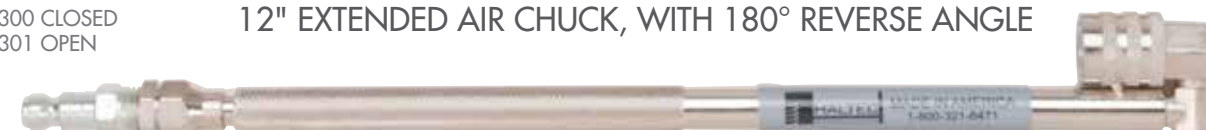
ES-309 CLOSED  
ES-310 OPEN

12" EXTENDED CHUCK WITH 15° REVERSE ANGLE



ES-300 CLOSED  
ES-301 OPEN

12" EXTENDED AIR CHUCK, WITH 180° REVERSE ANGLE



custom coupler lock with slide release

ES-305 CLOSED  
ES-306 OPEN

12" EXTENDED AIR CHUCK, STRAIGHT



### TECH TIP

WHEN OPERATING DUAL WHEELS, AN INFLATION MISMATCH GREATER THAN 5PSI CREATES 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 WHEELS, 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 WHEELS.

## AUTOMATIC TIRE INFLATION SYSTEM ACCESSORIES FOR 89MXA (RED) & 89XDA (BLUE) (SINGLE TIRE)

| HALTEC NO.   | PRODUCT DESCRIPTION                                  |
|--------------|--|
| 89HKC-12     | 12' Straight hose w/coupler & CH-360OP air chuck     |
| 89HKC-24     | 24' Straight hose w/coupler & CH-360OP air chuck     |
| 89HKC-50     | 50' Straight hose w/coupler & CH-360OP air chuck     |
| 89HKC-25C    | 25' Blue coil hose w/coupler & CH-360OP air chuck    |
| 89HKC-50C    | 50' Blue coil hose w/coupler & CH-360OP air chuck    |
| 89HKT-12     | 12' Straight hose w/coupler & CH-330 LO-OP air chuck |
| 89HKT-24     | 24' Straight hose w/coupler & CH-330 LO-OP air chuck |
| 89HKT-50     | 50' Straight hose w/coupler & CH-330 LO-OP air chuck |
| 89HKT-25     | 25' Straight hose w/coupler & IN-20 air chuck        |
| 89-2 WASV    | 2-way automatic switching valve (2 hoses)            |
| 89-3 WASV    | 3-way automatic switching valve (3 hoses)            |
| 89-3 WTK     | 3-way automatic switching valve kit (tubing system)  |
| CH-360OP-1   | Clip-on style air chuck (open)                       |
| CH-330-LO-OP | Lock-on style air chuck (Dual Wheels)                |
| IN-20        | Core removing & inflation tool (Car)                 |

SVL-STND Black stand with swivel head for automatic tire inflator  
\*Custom hose lengths available upon request.



## AUTOMATIC TIRE INFLATION SYSTEM ACCESSORIES FOR 89XDB (YELLOW) & 89XDZ (RED) & 89XHVB

| HALTEC NO. | PRODUCT DESCRIPTION   |
|------------|---|
| 89HKC-12M  | 12' Straight hose w/CH-360S air chuck                                   |
| 89HKC-24M  | 24' Straight hose w/CH-360S air chuck                                   |
| 89HKT-12M  | 12' Straight hose w/CH-330-LO air chuck                                 |
| 89HKT-24M  | 24' Straight hose w/CH-330-LO air chuck                                 |
| 89HVI-25   | 25' Straight hose w/coupler & IN-20 air chuck (Single Tire Application) |
| 89-HMVN    | 4-way manifold  |
| 89-3W      | Air flow control valve  |
| CH-360S    | Clip-on style air chuck (closed) with spring.                           |
| CH-330-LO  | Lock-on style air chuck (Dual Wheels)                                   |

### SAFETY!

NITROGEN MOLECULES LEAK THROUGH YOUR TIRE 3-4 TIMES SLOWER THAN THE SMALLER OXYGEN MOLECULES. ULTIMATELY, MAINTAINING YOUR VEHICLE'S REQUIRED INFLATION PRESSURE REDUCES TIRE WEAR, INCREASES YOUR FUEL MILEAGE, AND PROVIDES BETTER VEHICLE PERFORMANCE.

## 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



## IN-20 CORE REMOVAL & INFLATION TIRE CHUCK

Ideal for quick lube centers and auto dealerships.

- 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

## IN-20-LO

Same as IN-20 but with a more secure lock-on style chuck



| Part#   | Product Description   |
|---|---|
| <b>Inflator and hose combinations highlighted in blue are ideal for vehicle service centers, automobile dealerships, and rental facilities.</b> |   |
| 89MXA   | Single Tire, Automatic Inflator w/ Heavy Duty Plastic Housing             |
| 89HKC-24  | 24' Hose with CH-360-OP   |
| <b>Inflator and hose combinations highlighted in green are ideal for tire cages and tire changers.</b>  |   |
| 89XDA   | Single Tire, Automatic Inflator w/ Heavy Duty Die Cast Aluminum Enclosure |
| 89HKC-24  | 24' Hose with CH-360-OP   |
| <b>Inflator and accessory combinations in yellow are ideal for fleet operations, tire service centers and tire mounters.</b>                    |   |
| 89XDB   | High Volume Automatic Tire Inflator w/ 1/2" Valve Block                   |
| CH-360S   | Spring Loaded CH-360  |
| CH-360S   | 1/2" Manifold for 89HV  |
| 89HVT-20  | 20 ft. Hose with CH-330-LO-OP / 89XDB                                     |
| <b>Inflator and accessories in red are ideal for retread centers, tire service centers and tire mounters.</b>                                   |   |
| 89XDZ   | Heavy Duty Automatic Over Inflator  |
| 89HVI-25  | 25' Straight hose w/coupler & IN-20 air chuck (Single Tire Application)   |

**NEW**

## HALTEC WHEEL CARE TORQUE CONTROL SYSTEM

- Only 11 lbs!
- 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



Truck Number: **H471**

Trailer Number: **H1324**

Date: **7/16/15**

Tire Observations: **Tire Number**

Low Pressure: **T6**

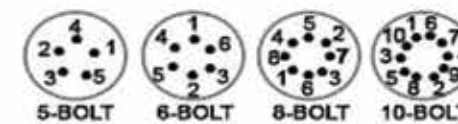
No Valve Cap: **D5, T6**

Object in Tire: **T6**

Cut Tire: **D5**

Comments:

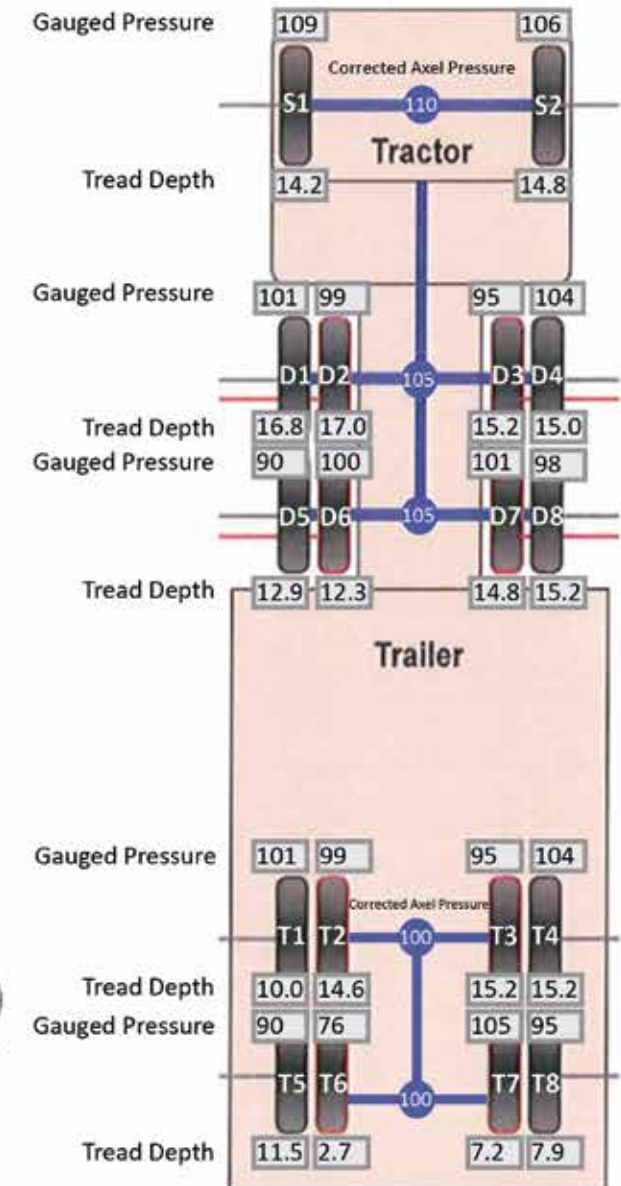
- Dual tire mismatch T5-T6
- Low tire T6
- Nail in tire T6
- Trailer tail light out
- Trailer marker light out



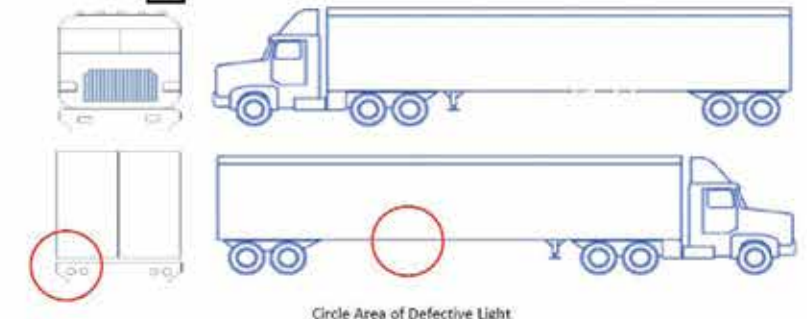
Torque Inspection:

Contact Haltec today for your customized Fleet Inspection Report!

## HALTEC FLEET INSPECTION REPORT



Light Check:



Circle Area of Defective Light



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

| HALTEC NO. | DESCRIPTION | NPT         | THREAD TYPE | SCHRADER | DILL | AMFLO | CAMEL  | MILTON | TRU-FLATE |
|------------|-------------|-------------|-------------|----------|------|-------|--------|--------|-----------|
| CO-101     | Coupler     | 1/4"        | Male        | 3503     | D-12 | C1    | 61-524 | 786    | 13-124    |
| CO-103     | Coupler     | 1/4"        | Female      | 3504     | D-13 | C2    | 61-523 | 785    | 13-134    |
| CO-105     | Coupler     | 1/4"        | Female      | 3505     | -    | C2R   | 61-487 | -      | -         |
| NI-102     | Nipple      | 1/4"        | Male        | 3506     | D-2C | CP1   | 61-538 | 783    | 12-124    |
| NI-104     | Nipple      | 1/4"        | Female      | 3507     | D-3C | CP2   | 61-539 | 784    | 12-134    |
| NI-106     | Nipple      | fits 302-32 | Female      | 3508     | D-6C | CP12  | -      | 779    | 12-104    |



### 1/4" ARO TYPE

| HALTEC NO. | DESCRIPTION | NPT  | THREAD TYPE | SCHRADER | DILL | AMFLO | CAMEL  | MILTON | TRU-FLATE |
|------------|-------------|------|-------------|----------|------|-------|--------|--------|-----------|
| CO-501     | Coupler     | 1/4" | Female      | 3526     | 8888 | C38   | 61-526 | 775    | 13-324    |
| NI-502     | Nipple      | 1/4" | Male        | 3529     | 8891 | CP37  | 61-528 | 777    | 12-325    |
| NI-504     | Nipple      | 1/4" | Female      | 3530     | 8889 | CP38  | 61-529 | 778    | 12-335    |



### 1/4" LINCOLN TYPE

| HALTEC NO. | DESCRIPTION | NPT  | THREAD TYPE | SCHRADER | DILL | AMFLO | CAMEL  | MILTON | TRU-FLATE |
|------------|-------------|------|-------------|----------|------|-------|--------|--------|-----------|
| CO-701     | Coupler     | 1/4" | Female      | 3528     | 123  | C28   | 61-548 | 790    | 13-434    |
| NI-702     | Nipple      | 1/4" | Male        | 3531     | 126  | CP27  | 61-550 | 791    | 12-424    |
| NI-704     | Nipple      | 1/4" | Female      | 3532     | 125  | CP28  | 61-551 | 792    | 12-434    |



### 1/4" INDUSTRIAL TYPE

| HALTEC NO. | DESCRIPTION | NPT  | THREAD TYPE | SCHRADER | DILL | AMFLO | CAMEL  | MILTON | TRU-FLATE |
|------------|-------------|------|-------------|----------|------|-------|--------|--------|-----------|
| NI-202     | Nipple      | 1/4" | Male        | 5138-11  | 110  | CP21  | 61-578 | 727    | 12-225    |
| CO-301     | Coupler*    | 1/4" | Female      | 5138-12  | -    | -     | -      | -      | -         |
| NI-204     | Nipple      | 1/4" | Female      | 5139-11  | 109  | CP20  | 61-579 | 728    | 12-235    |
| CO-303     | Coupler*    | 1/4" | Male        | 5139-12  | -    | -     | -      | -      | -         |
| CO-201     | Coupler     | 1/4" | Female      | 5142-12  | 102  | C20   | 61-573 | 715    | 13-235    |



### 3/8" INDUSTRIAL TYPE

| HALTEC NO. | DESCRIPTION | NPT  | THREAD TYPE | SCHRADER | DILL | AMFLO | CAMEL  | MILTON | TRU-FLATE |
|------------|-------------|------|-------------|----------|------|-------|--------|--------|-----------|
| CO-204     | Coupler     | 3/8" | Female      | 3541     | 117  | C26   | 61-482 | 1835   | 13-537    |
| NI-206     | Nipple      | 3/8" | Male        | 3542     | 121  | CP25  | 61-484 | 1837   | 12-527    |
| NI-208     | Nipple      | 3/8" | Female      | 3543     | 122  | CP26  | 61-485 | 1838   | -         |



### 3/8" TRU-FLATE TYPE

| HALTEC NO. | DESCRIPTION | NPT  | THREAD TYPE | SCHRADER | DILL | AMFLO | CAMEL  | MILTON | TRU-FLATE |
|------------|-------------|------|-------------|----------|------|-------|--------|--------|-----------|
| CO-107     | Coupler     | 3/8" | Male        | 3515     | -    | C5    | 61-554 | 1806   | 13-107    |
| CO-109     | Coupler     | 3/8" | Female      | 3516     | D-15 | C6    | 61-553 | 1805   | 13-613    |
| NI-108     | Nipple      | 3/8" | Male        | 3517     | D-2E | CP5   | 61-558 | 1807   | 12-605    |
| NI-110     | Nipple      | 3/8" | Female      | 3518     | D-3E | CP6   | 61-559 | 1808   | 12-612    |



### 1/2" TRU-FLATE TYPE

| HALTEC NO. | DESCRIPTION | NPT  | THREAD TYPE | SCHRADER | DILL | AMFLO | CAMEL  | MILTON | TRU-FLATE  |
|------------|-------------|------|-------------|----------|------|-------|--------|--------|------------|
| CO-111     | Coupler     | 1/2" | Female      | 3512     | D-17 | C10   | 61-563 | 1815   | 13-713     |
| CO-111R    | Coupler     | 1/2" | Female      | D-17R    | C10R | -     | -      | -      | 13-712/713 |
| NI-112     | Nipple      | 1/2" | Male        | 3513     | D-2F | CP9   | 61-568 | 1817   | 12-705     |
| NI-113     | Nipple      | 1/2" | Female      | -        | -    | CP18  | -      | 1858   | 12-762     |
| CO-112     | Coupler     | 1/2" | Male        | -        | -    | -     | -      | -      | -          |

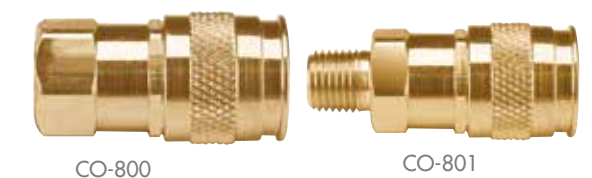
### UNIVERSAL COUPLERS

| HALTEC NO. | DESCRIPTION | NPT            | THREAD TYPE | SCHRADER | DILL | AMFLO | CAMEL  | MILTON | TRU-FLATE |
|------------|-------------|----------------|-------------|----------|------|-------|--------|--------|-----------|
| CO-800     | Coupler     | 1/4" - 18 NPTF | Female      | -        | -    | C60   | 61-240 | -      | -         |
| CO-801     | Coupler     | 1/4" - 18 NPTF | Male        | -        | -    | C61   | 61-241 | -      | -         |

### 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.





GL-0014 GL-0502 GL-0505 GL-0097

### LIGHT DUTY 7/16" - 20

| HALTEC NO. | HEX    | HEIGHT | DEGREE | PLATING | NOTES |
|------------|--------|--------|--------|---------|-------|
| GL-0014    | 3/4"   | 9/16"  | 60     | Zinc    |       |
| GL-0502    | 3/4"   | 1.4"   | 60     | Chrome  | Bulge |
| GL-0505    | 13/16" | 1.4"   | 60     | Chrome  | Bulge |
| GL-0097    | 13/16" | 1.4"   | 60     | Chrome  | Acorn |



GL-0016 GL-0017 GL-0026 GL-0027

### LIGHT DUTY 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-0026    | 3/4"   | 9/16"  | 60     | Zinc    | L.H. Thread |
| GL-0027    | 3/4"   | 9/16"  | 60     | Zinc    |             |
| GL-0031    | 13/16" | 5/8"   | 60     | Zinc    | L.H. Thread |
| GL-0093    | 13/16" | 59/64" | 60     | Zinc    |             |
| GL-0132    | 13/16" | 1.2"   |        | Zinc    | Ford        |
| 5120       | 7/8"   | 1 1/8" | 60     | Zinc    |             |
| GL-0098    | 13/16" | 1.4"   | 60     | Chrome  |             |
| GL-0504    | 3/4"   | 1.4"   | 60     | Chrome  | Bulge       |
| GL-0510    | 13/16" | 1.4"   | 60     | Chrome  | Bulge       |



GL-0031 GL-0093 GL-0132 5120



GL-0098 GL-0504 GL-0510

### LIGHT DUTY 9/16" - 18

| HALTEC NO. | HEX     | HEIGHT | DEGREE | PLATING   | NOTES           |
|------------|---------|--------|--------|-----------|-----------------|
| GL-0052    | 7/8"    | 3/4"   | 60     | Zinc      |                 |
| GL-0053    | 1"      | 11/16" | 90     | Zinc      |                 |
| GL-0058    | 1 1/16" | 21/32" | 90     | Zinc      |                 |
| GL-0059    | 1 1/16" | 21/32" | 90     | Zinc      | L.H. Thread     |
| GL-5916    | 7/8"    | 1 1/8" | 60     | Zinc      | Same as GL-0161 |
| GL-0423    | 7/8"    | 1.5"   | 60     | Stainless | Chrysler        |



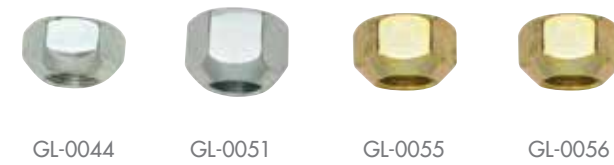
GL-0052 GL-0053 GL-0058 GL-0059



GL-5916 GL-0423

### LIGHT DUTY 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" | 90     | Zinc    |             |
| GL-0055    | 1"      | 21/32" | 90     | Zinc    |             |
| GL-0056    | 1"      | 21/32" | 90     | Zinc    | L.H. Thread |



GL-0044 GL-0051 GL-0055 GL-0056

COMPLETE CATALOG AVAILABLE UPON REQUEST.  
PART NUMBER INTERCHANGE AVAILABLE UPON REQUEST.

### LIGHT DUTY M10 - 1.25

| HALTEC NO. | HEX  | HEIGHT | DEGREE | PLATING | NOTES |
|------------|------|--------|--------|---------|-------|
| GL-0596    | 21mm | 1.4"   | 60     | Chrome  |       |



GL-0596

### LIGHT DUTY M12 - 1.25

| HALTEC NO. | HEX  | HEIGHT | DEGREE | PLATING | NOTES |
|------------|------|--------|--------|---------|-------|
| GL-0064    | 19mm | 16mm   | 60     | Zinc    |       |
| GL-0065    | 21mm | 16mm   | 60     | Zinc    |       |
| GL-0500    | 19mm | 1.4"   | 60     | Chrome  | Bulge |
| GL-0508    | 21mm | 1.4"   | 60     | Chrome  | Bulge |
| GL-0099    | 21mm | 1.4"   | 60     | Chrome  |       |



GL-0064



GL-0065



GL-0500



GL-0508



GL-0099

### LIGHT DUTY M12 - 1.5

| HALTEC NO. | HEX  | HEIGHT | DEGREE | PLATING | NOTES |
|------------|------|--------|--------|---------|-------|
| GL-0062    | 19mm | 14mm   | 60     | Zinc    |       |
| GL-0063    | 19mm | 23mm   | 60     | Zinc    |       |
| GL-0066    | 21mm | 16mm   | 60     | Zinc    | Bulge |
| GL-0072    | 21mm | 18mm   | 60     | Zinc    |       |
| GL-0085    | 19mm | 22mm   |        | Zinc    |       |
| GL-0109    | 19mm | 30mm   | 60     | Zinc    |       |
| GL-0506    | 19mm | 1.4"   | 60     | Chrome  | Bulge |
| GL-0509    | 21mm | 1.4"   | 60     | Chrome  | Bulge |
| GL-0100    | 21mm | 1.4"   | 60     | Chrome  |       |



GL-0062



GL-0063



GL-0066



GL-0072



GL-0085



GL-0109



GL-0506



GL-0509



GL-0100

### LIGHT DUTY M14 - 1.5

| HALTEC NO. | HEX  | HEIGHT | DEGREE | PLATING       | NOTES |
|------------|------|--------|--------|---------------|-------|
| GL-0512    | 21mm | 1.4"   | 60     | Chrome        | Bulge |
| GL-0110    | 7/8" | 20mm   | 60     | Zinc          |       |
| GL-0115    | 22mm | 28.5mm | 60     | Zinc          |       |
| GL-0309    | 21mm | 16mm   | 60     | Zinc          |       |
| GL-0427    | 21mm | 1.4"   | 60     | Stainless Cap |       |
| GL-0428    | 21mm | 1.7"   | 60     | Stainless Cap |       |



GL-0512



GL-0110



GL-0115



GL-0309



GL-0427



GL-0428



GL-1001    GL-1003    GL-1005    GL-1007    GL-1009    GL-1011

## INNER CAP NUTS FOR STEEL & ALUMINUM WHEELS

| RIGHT HAND PART NO. | LEFT HAND PART NO. | DESCRIPTION  | GRADE | FINISH            | OUTER THREAD | INNER THREAD | OVERALL LENGTH | REPLACES   |
|---------------------|--------------------|--|-------|-------------------|--------------|--------------|----------------|--|
| GL-1001             | GL-1002            | Standard Inner Cap Nut for Dual Steel Wheels                         | 8.2   | Yellow Dichromate | 1 1/8" - 16  | 3/4" - 16    | 2 7/32"        | Budd - 10708/9<br>Dayton - 13-3005R/L<br>BWP - M128/9<br>Euclid - 7895R/L<br>Leland - W694/5                       |
| GL-1003             | GL-1004            | Standard for Steel Inner & Aluminum Outer Wheel Combinations         | 8.2   | Yellow Dichromate | 1 1/8" - 16  | 3/4" - 16    | 2 9/16"        | Budd - 35336/7<br>Dayton - 13-3028R/L<br>BWP - M130/1<br>Euclid - 7896R/L<br>Leland - W620/1                       |
| GL-1005             | GL-1006            | Longer Inner Nut for Steel Inner & Aluminum Outer Wheel Combinations | 8.2   | Yellow Dichromate | 1 1/8" - 16  | 3/4" - 16    | 3 1/16"        | Budd - 22621/2<br>Dayton - 13-3029R/L<br>BWP - M132/3<br>Euclid - 7897R/L<br>Leland - W107/8                       |
| GL-1007             | GL-1008            | Heavy Duty Off-Highway Applications                                  | 8.2   | Yellow Dichromate | 1 5/16" - 12 | 15/16" - 12  | 3"             | Budd - 49414/5<br>Dayton - 13-3010R/L<br>BWP - M140A/B<br>Euclid - 7898R/L<br>Leland - W694/5                      |
| GL-1009             | GL-1010            | For Hino & Isuzu   | 8.2   | Yellow Dichromate | M30 - 1.5    | M20 - 1.5    | M-62 (2 7/16") | Dayton - 13-3130R/L<br>Hino - 9004-23101/24101<br>Euclid - 10253R/L<br>Leland - W720/1<br>Navistar - 4321225025R/L |
| GL-1011             | GL-1012            | Inner Cap Nut for Dual Aluminum Wheels                               | 8.2   | Yellow Dichromate | 1 1/8" - 16  | 3/4" - 16    | 3 1/16"        | ALCOA - 5988R/L<br>Dayton - 13-3026R/L<br>BWP - M2400/1<br>Euclid - 5988R/L<br>Leland - W486/7                     |

## OUTER CAP NUTS FOR DUAL MOUNTED WHEELS

| RIGHT HAND PART NO. | LEFT HAND PART NO. | DESCRIPTION                        | GRADE | FINISH            | INNER THREAD | HEX    | HEIGHT | REPLACES   |
|---------------------|--------------------|------------------------------------|-------|-------------------|--------------|--------|--------|--|
| GL-2001             | GL-2002            | Standard Outer Nut for Dual Wheels | 8     | Yellow Dichromate | 1 1/8" - 16  | 1 1/2" | 7/8"   | Budd - 37891/2<br>Dayton - 13-3012R/L<br>BWP - M126/7<br>Euclid - 5977R/L<br>Leland - W746/7 |



GL-2001

## OUTER CAP NUTS FOR SINGLE MOUNTED WHEELS

| RIGHT HAND PART NO. | LEFT HAND PART NO. | DESCRIPTION                        | INNER THREAD | HEX    | HEIGHT | REPLACES  |
|---------------------|--------------------|------------------------------------|--------------|--------|--------|---|
| GL-2101             | GL-2102            | Standard Cap Nut for Single Wheels | 3/4" - 16    | 1 1/2" | 7/8"   | Budd - 37888/9<br>Dayton - 13-3013R/L<br>BWP - M124/5<br>Euclid - 5652R/L<br>Leland - W15/6 |



GL-2101

COMPLETE CATALOG AVAILABLE UPON REQUEST.  
PART NUMBER INTERCHANGE AVAILABLE UPON REQUEST.



GL-2201    GL-2202    GL-2203    GL-2204

## ONE PIECE FLANGE NUTS

| PART NO. | DESCRIPTION                                  | INNER THREAD          | HEX    | HEIGHT  | REPLACES  |
|----------|--|-----------------------|--------|---------|---|
| GL-2201  | One Piece Flange Nuts For Hub Piloted Wheels | 9/16" - 18            | 7/8"   | 5/8"    | Budd - 64186<br>Euclid - 5892<br>GMC - 3988631  |
| GL-2202  | One Piece Flange Nuts For Hub Piloted Wheels | 11/16" - 16           | 1 1/8" | 1 1/16" | Gunite - 45681<br>Budd - 81269<br>Euclid - 5734<br>GMC - 3771410                      |
| GL-2203  | One Piece Flange Nuts For Hub Piloted Wheels | 5/8" - 18 R.H. Thread | 1 1/8" | 1 1/16" | Budd - 95188<br>Dayton - 13-3047R<br>BWP - M1266<br>Euclid - 9022R<br>Dodge - 3637720 |
| GL-2204  | One Piece Flange Nuts For Hub Piloted Wheels | 5/8" - 18 L.H. Thread | 1 1/8" | 1 1/16" | Budd - 95189<br>Dayton - 13-3047L<br>BWP - M1267<br>Euclid - 9022L<br>Dodge - 363719  |

## TWO PIECE FLANGE NUTS

| PART NO. | DESCRIPTION                    | GRADE | FINISH          | INNER THREAD | HEX | HEIGHT | REPLACES   |
|----------|--------------------------------|-------|-----------------|--------------|-----|--------|--|
| GL-2301  | For Uni-Mount 10 Hole Systems  | 8     | Phosphate & oil | M22 - 1.5    | M33 | M32    | Budd - 106333<br>Dayton - 13-3052<br>BWP - M3203<br>Euclid - 6000<br>Leland - W498       |
| GL-2302  | For Motor Wheel 8 Hole Systems | 8     | Phosphate & oil | M22 - 1.5    | M38 | M35    | Motor Wheel - 88881<br>Dayton - 13-3050<br>BWP - M3207<br>Euclid - 5991<br>Leland - W492 |



GL-2301

GL-2302



GL-2900

GL-2906

GL-2919

GL-2928

GL-2939

## FLANGE NUTS FOR ALUMINUM WHEELS

| PART NO. | DESCRIPTION | GRADE | FINISH | INNER THREAD | HEX   | SLEEVE LENGTH | RECOMMENDED USE  |
|----------|-------------|-------|--------|--------------|-------|---------------|--|
| GL-2900  | Skirt Nut   | 8     | Black  | M22 - 1.5    | 33 mm | 35 mm         | All style M22 Flange Nuts on Hub-Piloted wheels  |
| GL-2906  | Sleeve Nut  | 8     | Black  | M22 - 1.5    | 33 mm | 6 mm          | Steel - Steers   |
| GL-2919  | Sleeve Nut  | 8     | Black  | M22 - 1.5    | 33 mm | 19 mm         | Aluminum - Steers<br>Steel/Steel - Drives<br>Steel Outer/Alum. Inner - Drives          |
| GL-2928  | Sleeve Nut  | 8     | Black  | M22 - 1.5    | 33 mm | 28 mm         | Heavy Duty Aluminum<br>Super Single - Wide Base<br>Aluminum Outer/Steel Inner - Drives |
| GL-2939  | Sleeve Nut  | 8     | Black  | M22 - 1.5    | 33 mm | 39 mm         | Dual Aluminum  |

## FLANGE NUTS FOR ALUMINUM WHEELS

| PART NO. | DESCRIPTION | GRADE | FINISH | INNER THREAD | HEX     | HEIGHT | REPLACES  |
|----------|-------------|-------|--------|--------------|---------|--------|---|
| 39874    | Low Profile | 8     | Black  | M22 - 1.5    | M33     | M32    | Alcoa - 39874<br>Dayton - 13-3057<br>Euclid - 9020<br>Leland - W525<br>GMC - 2071619<br>Ford - E6HZ 1120A<br>Accuride - 50125 |
| 39946    |             | 8     | Black  | 5/8" - 18    | 1 1/16" | 13/16" | Alcoa - 39946<br>Dayton - 13-30510<br>Euclid - 10233<br>S/B - 102333<br>Leland - W749   |



## FLANGE NUTS FOR ALCOA WHEELS

| PART NO. | DESCRIPTION      | GRADE | FINISH            | INNER THREAD | HEX     | HEIGHT     | REPLACES   |
|----------|------------------|-------|-------------------|--------------|---------|------------|--|
| 139698   | Low Profile      | 8     | Phosphate and Oil | M14 - 1.5    | 27 mm   | 22 mm      | Alcoa - 139698                                     |
| 139987   |                  | 8     | Phosphate and Oil | 9/16" - 18   | 1 1/16" | 7/8"       | Alcoa - 139987                                     |
| 430632   | Front Bus Wheels | 8     | Dacromet Coated   | M22 - 1.5    | 33 mm   | 50 mm (2") | Alcoa - 430632<br>Alcoa - 578632 (Dacromet Coated) |
| 578632   |                  |       |                   |              |         |            |  |
| 430732   | Rear Bus Wheels  | 8     | Dacromet Coated   | M22 - 1.5    | 33 mm   | 78 mm (3") | Alcoa - 430732<br>Alcoa - 578732 (Dacromet Coated) |
| 578732   |                  |       |                   |              |         |            |  |

**NEW**

### 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.

Application:

- 22 mm Uni-Mount Studs
- 3/4"-16 Budd Studs

\*Recommended for use with low-speed reversible drill



SC-100

**NEW**

### GA-200 THREAD PITCH GAUGE

M22 X 1.5 Uni-Mount Stud Wear Gauge



GA-200

**NEW**

### 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.



5-IN-1 INSPECTION GAUGE

**NEW**

### ANTI-INDEXING SLEEVES

Protects the studs and wheels 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



AIS-1250

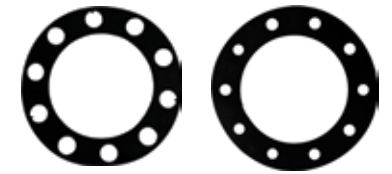
AIS-800

AIS-500

COMPLETE CATALOG AVAILABLE UPON REQUEST.  
PART NUMBER INTERCHANGE AVAILABLE UPON REQUEST.

## TRUCK WHEEL GUARDS

Wheel Guards are nylon separator plates that are approximately .03" thick. They are placed between the hub or drum and the wheel, and between two wheels on a dual wheel application. The Wheel Guard is highly recommended for all applications and all combinations of aluminum and steel wheels.



| PART NO. | APPLICATION   | HOLES | BOLT CIRCLE | I.D.     |
|----------|---|-------|-------------|----------|
| GL-5901  | For wheels using 1-1/8" and 7/8" diameter studs (stud pilot wheels) | 10    | 11 1/4"     | 8 13/16" |
| GL-5902  | For wheels using 3/4" diameter studs (stud pilot wheels)            | 10    | 11 1/4"     | 8 13/16" |
| GL-5903  | For wheels using 22 mm diameter studs "Unimount" (hub pilot)        | 10    | 285.75 mm   | 8 13/16" |
| GL-7902  | For wheels using 22 mm diameter studs "Motor Wheel" (hub pilot)     | 8     | 275 mm      | 8 13/16" |
| GL-8482  | For GM and Dodge trucks using 5/8" diameter studs                   | 8     | 6 1/2"      | 4.82"    |
| GL-8525  | For Ford trucks using 5/8" diameter studs                           | 8     | 6 1/2"      | 5.25"    |
| GL-8675  | For Ford trucks with 19.5" wheels using 5/8" diameter studs         | 8     | 225 mm      | 6.75"    |
| GL-7381  | For bus wheels with 22 mm diameter studs                            | 10    | 335 mm      |          |

## DISCMATE™ WHEEL PROTECTOR FOR ALCOA WHEELS

| PART NO.                   | APPLICATION  | HOLES | BOLT CIRCLE |
|----------------------------|--|-------|-------------|
| GL-18000<br>(Alcoa 018000) | For wheels using 32 mm sleeved cap nut (hub pilot) | 10    | 335 mm      |

## WHEEL STUD CHART

| HUB NO.                    | HUB OEM                     | STUD       |            |            |
|----------------------------|-----------------------------|------------|------------|------------|
|                            |                             | STEEL      | A/A        | A/S        |
| 2530 (S) (253010)          | Webb                        | BD14032    | BD14032    | BD14032    |
| 2520 (S) (272010) / HF770K | Webb / Gunite               | BD14032    | BD14032    | BD14032    |
| 2643 (S) (264310)          | Webb                        | BD14032    | BD14032    | BD14032    |
| 10001339                   | ConMet                      | BD14032    | BD14032    | BD14032    |
| 10001342                   | ConMet                      | BD14032    | BD14032    | BD14032    |
| 108168, H805K              | ConMet, Gunite              | BD14032    | BD14032    | BD14032    |
| 741310001339               | Mack                        | BD14032    | BD14032    | BD14032    |
| CM10001513                 | Freightliner                | BD14032    | BD14032    | BD14032    |
| CM108168                   | Freightliner                | BD14032    | BD14032    | BD14032    |
| 176728 / HR761K            | Volvo / Gunite              | BD14032    | BD14032    | BD14032    |
| 2218724 / HR802K           | Hayes Lemmerz - Budd/Gunite | BD14032    | BD14032    | BD14032    |
| 10001576 / HR802F          | ConMet / Gunite             | BD14032    | BD14032    | BD14032    |
| 10005354 / HR861K          | ConMet / Gunite             | BD14032    | BD14032    | BD14032    |
| 105239 / HF803K            | ConMet / Gunite             | BD14032    | BD14032    | BD14032    |
| 10003478 / HF770K          | ConMet / Gunite             | BD14032    | BD14032    | BD14032    |
| 10001340 / HR802K          | ConMet / Gunite             | BD14032    | BD14032    | BD14032    |
| 4019101 / HF805K           | Hayes Lemmerz / Gunite      | BD14032    | BD14032    | BD14032    |
| 2035951C91 / HR805k        | International / Gunite      | BD14032    | BD14032    | BD14032    |
| HR935K                     | Gunite                      | BD14032    | BD14036    | BD14036    |
| 2723 (S) (272310)          | Webb                        | BD14032    | BD14028    | BD14036    |
| HR735K                     | Gunite                      | BD14028    | BD14028    | BD14028    |
| 4809001 / HT794J           | Hayes Lemmerz - Budd/Gunite | BD14030    | BD14034    | BD14034    |
| 21372269 / 21372270        | Mack / ConMet               | BD14030    | BD14030    | BD14030    |
| CM108160                   | Freightliner                | BD11268    | BD11268    | BD8960     |
| 1020F / HT518K             | Webb / Gunite               | BD11268/69 | BD11262/63 | BD11262/63 |
| 3533020C91 / HF801K        | International / Gunite      | BD11262/63 | BD11268/69 | BD8960/61  |
| 89023 / HF725K             | Hayes Lemmerz / Gunite      | BD11268    | BD8960/61  | BD11268/69 |
| 21024242 / 21728458        | Mack / ConMet               | BD14038    | BD14038    | BD14038    |

407422



**407422 WHEEL INSTALLATION KIT, 2 TOOLS IN A KIT**

Alcoa's wheel installation sleeves: Align wheel bolt holes. Seat brake drums that have .980" 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/3.50" 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 5.50  
& 8 x 6.50



**9267**  
Height: 2.00" straight  
Hub bore: 3.295"  
Bolt patterns: 5 x 4.50,  
5 x 4.75, 5 x 5.50 &  
6 x 5.50



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



**11912\***  
Height: 5.375" straight  
Hub bores: 5.250" &  
5.460"  
Bolt pattern: 10 x 7.25



H-1503



H-1813

**H-1503**  
10 H-150 Hug-A-Lugs in a cardboard display container. Versatile 10-pack design.

**H-1813**  
10 H-181 Hug-A-Lugs in a cardboard display container. Versatile 10-pack design.

Patented spring-clip insert holds cover tight to the nut, yet permits easy installation and removal. Now Alcoa Hug-A-Lug nut covers come in handy cardboard display container for easy retail display. The versatile design of the 10-pack nut covers allows it to stand alone or hang on a display rack.

**NOTE:** Orders are accepted for less than case quantities.

**FOR 1 1/2" HEX STUD-PILOT WHEELS**

| HALTEC NO. | DESCRIPTION                   | CASE QTY. | FINISH |
|------------|-------------------------------|-----------|--------|
| H-150      | For 1 1/2" Hex Stud-pilot Nut | 200       | Chrome |



H-150

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

| HALTEC NO. | DESCRIPTION                       | FOR HEIGHTS | CASE QTY. | FINISH |
|------------|-----------------------------------|-------------|-----------|--------|
| H-180      | For 33mm Hex Flange Nut for buses | .886"-1.0"  | 200       | Chrome |
| H-181      | For 33mm Hex Flange Nut for buses | 27-31mm     | 200       | Chrome |



H-180

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

| HALTEC NO. | DESCRIPTION                         | FOR HEIGHTS | CASE QTY. | FINISH |
|------------|-------------------------------------|-------------|-----------|--------|
| H-182      | For 1 1/2 Hex Flange Nut for trucks | 1 7/16"     | 200       | Chrome |
| H-183      | For 1 1/2 Hex Flange Nut for buses  | 7/8"        | 200       | Chrome |



H-182

**FOR ALCOA LUG NUTS FOR 16" & 19" WHEELS**

| HALTEC NO. | DESCRIPTION       | FOR HEIGHTS                  | CASE QTY. | FINISH |
|------------|-------------------|------------------------------|-----------|--------|
| H-78       | 2.125"            | .96"                         | 100       | Chrome |
| H-79       | 1.525" Tall       | .96"                         | 100       | Chrome |
| H-190      | Hug-A-Lug Push-On | Fits 1 1/16" hex flange nuts | 200       | Chrome |



H-78

H-190

**H-155**

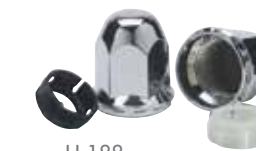
1 1/2" nut cover with an inner clamp and threaded outer cover. To order inner clamp only, ask for Part # H-155C.



H-155

**H-188**

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



H-188

**500**

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

500

**H-185\***

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

600

**600**

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



H-185

- Requires a minimum of 4 threads per stud.
- Ask Haltec about Hub Cover Systems available in Alcoa packaging.



087100S

086100S

**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 285 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
- Patented on-off attachment design
- On-off removal for DOT inspection
- 2-year warranty

**ONE PIECE HUB COVER SYSTEMS**

| HALTEC NO. | WHEEL TYPE        | PACKAGE INCLUDES                       |
|------------|-------------------|--|
| 087100S    | 33 mm Hub Piloted | 2 rear covers & tool, Alcoa packaging  |
| 087100B    | 33 mm Hub Piloted | 1 rear cover & tool, plain packaging   |
| 086100S    | 33 mm Hub Piloted | 2 front covers & tool, Alcoa packaging |
| 086100B    | 33 mm Hub Piloted | 1 front cover & tool, plain packaging  |



076085



076188B



077085



077188B

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

| HALTEC NO. | WHEEL TYPE  | NUT COVER      | APPLICATION/PACKAGE   |
|------------|-------------|----------------|---|
| 076185B*   | Hub Piloted | H-185 (33mm)   | Cover is secured by screwing the H-185 directly onto stud threads; Box  |
| 076155B    | Ball-Seat   | H-155 (1 1/2") | Cover is secured by screwing the H-155 onto inner clamp. Inner clamp is placed on stud threads; Box   |
| 076188B    | Hub Piloted | H-188 (33mm)   | Cover is secured by screwing the H-188 onto inner clamp. Inner clamp is placed on stud threads; Box   |
| 076085*    | Hub Piloted | H-185 (33mm)   | Cover is secured by screwing the H-185 directly onto stud threads; Reusable Bin includes 20 nut covers, 2 hub covers & tool   |
| 076015     | Ball-Seat   | H-155 (1 1/2") | Cover is secured by screwing the H-155 onto inner clamp. Inner clamp is placed on stud threads; Reusable Bin includes 20 nut covers, 20 inner clamps, 2 hub covers & tool |
| 076018     | Hub Piloted | H-188 (33mm)   | Cover is secured by screwing the H-188 onto inner clamp. Inner clamp is placed on stud threads; Reusable Bin includes 20 nut covers, 20 inner clamps, 2 hub covers & tool |
| 077185B*   | Hub Pilot   | H-185 (33mm)   | Cover is secured by screwing the H-185 directly onto stud threads; Box  |
| 077155B    | Stud Pilot  | H-155 (1 1/2") | Cover is secured by screwing the H-155 onto inner clamp. Inner clamp is placed on stud threads; Box   |
| 077188B    | Hub Pilot   | H-188 (33mm)   | Cover is secured by screwing the H-188 onto inner clamp. Inner clamp is placed on stud threads; Box   |
| 077085*    | Hub Pilot   | H-185 (33mm)   | Cover is secured by screwing the H-185 directly onto stud threads; Reusable Bin includes 40 nut covers, 4 hub covers & tool   |
| 077015     | Stud Pilot  | H-155 (1 1/2") | Cover is secured by screwing the H-155 onto inner clamp. Inner clamp is placed on stud threads; Reusable Bin includes 40 nut covers, 40 inner clamps, 4 hub covers & tool |
| 077018     | Hub Pilot   | H-188 (33mm)   | Cover is secured by screwing the H-188 onto inner clamp. Inner clamp is placed on stud threads; Reusable Bin includes 40 nut covers, 40 inner clamps, 4 hub covers & tool |

\*Requires a minimum of four threads per stud.

**LIGHT DUTY TRUCKS**

| HALTEC NO. | WHEEL SIZE           | BOLT CIRCLE | PACKAGE INCLUDES              |
|------------|----------------------|-------------|-------------------------------|
| 001102     | 19.5" x 6" Hub Pilot | 8 x 225 mm  | 1 Front                       |
| 001103     | 19.5" x 6" Hub Pilot | 8 x 225 mm  | 1 Rear                        |
| 110203     | 19.5" x 6" Hub Pilot | 8 x 225 mm  | 2 Fronts - 2 Rears            |
| 100450     | 19.5" x 6" Hub Pilot | 10 x 225 mm | 2 Front covers, 2 Rear covers |
| 001004     | 19.5" x 6" Hub Pilot | 10 x 225 mm | 1 Front cover                 |
| 001005     | 19.5" x 6" Hub Pilot | 10 x 225 mm | 1 Rear cover                  |

Application: Snaps on over lug nuts and center hub.



001102



001103



140233A



109176A



008221



008222

**TRUCKS, BUSES AND TRAILERS**

| HALTEC NO. | DESCRIPTION   | BOLT CIRCLE | KIT INCLUDES                                |
|------------|---|-------------|---|
| 082012     | Kit for 30mm hex flange nuts (includes fronts and rears)      | 8 x 275 mm  | 2-008201, 2-008202, 32-H-20                 |
| 082122     | Front hub cover kit for 33mm hex flange nuts; steers          | 8 x 275 mm  | 2-008221, 16 H-22                           |
| 082133     | Rear hub cover kit for 33mm hex flange nuts; drives           | 8 x 275 mm  | 2-008222, 16 H-22                           |
| 008201     | Front Hub Cover for 30mm hex flange nuts                      | 8 x 275 mm  | 1 Front Hub Cover & 8 lug nut covers (H-20) |
| 008202     | Rear Hub Cover for 30mm hex flange nuts                       | 8 x 275 mm  | 1 Rear Hub Cover & 8 lug nut covers (H-20)  |
| 008221     | Front Hub Cover for 33mm hex flange nuts                      | 8 x 275 mm  | 1 Front Hub Cover & 8 lug nut covers (H-22) |
| 008222     | Rear Hub Cover for 33mm hex flange nuts                       | 8 x 275 mm  | 1 Rear Hub Cover & 8 lug nut covers (H-22)  |
| 140230B    | Front hub cover kit for 30mm hex flange nuts; stainless steel | 8 x 275 mm  | 2-001402, 16-000230                         |
| 109176B    | Rear hub cover kit for 30mm hex flange nuts; stainless steel  | 8 x 275 mm  | 2-001109, 16-000230                         |
| 140233A    | Front hub cover kit for 33mm hex flange nuts; stainless steel | 8 x 275 mm  | 2-001402, 16-000233                         |
| 109176A    | Rear hub cover kit for 33mm hex flange nuts; stainless steel  | 8 x 275 mm  | 2-001109, 16-000233                         |
| 001402     | Front hub cover for 30mm and 33mm                             | 8 x 275 mm  | 1-Front cover                               |
| 001109     | Rear hub cover for 30mm and 33mm                              | 8 x 275 mm  | 1-Rear cover, 1-Bolt, 1-Bracket             |
| 000230     | Lug nut cover for 30mm hex flange nuts                        | 8 x 275 mm  | 1-Lug nut cover                             |
| 000233     | Lug nut cover for 33mm hex flange nuts                        | 8 x 275 mm  | 1-Lug nut cover                             |
| 001763     | Knob for rear hub cover                                       | 8 x 275 mm  | 1-Bolt                                      |
| 001834     | Bracket for rear hub cover                                    | 8 x 275 mm  | 1-Bracket                                   |

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

**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.



H-20

**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.



H-22



## 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.

| HALTEC NO. | CYLINDER CAPACITY (TONS) | STROKE (INCHES) | CYLINDER EFFECTIVE AREA (IN <sup>2</sup> ) | OIL CAPACITY (IN <sup>3</sup> ) | COLLAPSED HEIGHT (IN) | WEIGHT (LBS.) |
|------------|--------------------------|-----------------|--|---------------------------------|-----------------------|---------------|
| AJ-102     | 10                       | 2.13            | 2.23                                       | 4.75                            | 4.78                  | 5.1           |
| AJ-106     | 10                       | 6.13            | 2.23                                       | 13.67                           | 9.75                  | 9.4           |
| AJ-110     | 10                       | 10.13           | 2.23                                       | 22.59                           | 13.75                 | 12.9          |
| AJ-30      | 30                       | 2.44            | 6.5  | 15.85                           | 4.5                   | 13.8          |
| AJ-506     | 50                       | 6               | 11.05                                      | 66.3                            | 10.97                 | 31.5          |
| AJ-1006    | 100                      | 6               | 20.65                                      | 136.91                          | 14.06                 | 45            |

### AJ-30

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



AJ-30

AJ-506-B

### 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 off-highway work. Comes with a 7" x 7" aluminum base.

### AJ-1006 100 TON ALUMINUM JACK

- Lightweight aluminum for easily handling and placing under the vehicle
- Includes "Shut-Off Valve" which allows the pump to be removed while ram is extended\*



AJ-1006

## 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."

### 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.



BBH-10

### TALON-1 OTR BEAD BREAKER

- Works on both front and back wheel without dismounting wheel from vehicle
- Works on all new 3 piece 25" wheels or larger
- Works on all wheels with CAT "Shur-Lok" safety feature
- A must tool for all trucks



TALON-1

### 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-1825

### 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.



OTR-2000

### 11044 GIANT TIRE BEAD BREAKER

- Designed specifically to work on Topy and Rimex OE wheels found on Terex, Komatsu, Liebherr, and Le Tourneau
- Designed to prevent the tool from kicking out while under load



11044

AHP-15



### AHP-15 HYDRAULIC PUMP

- Fast-acting 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



### AHP-20 HYDRAULIC PUMP

- Fast-acting 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



### AHP-20H HYDRAULIC HOSE

- 8' hose with coupler for use on all hydraulic pumps.

71500



### 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



### 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

### 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."

### 67300 NUT BUDDY BEAD BREAKER

- Bust loose the most 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 1 5/16" (33mm)



67300

### 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



23800

### 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!)
- AME Liquid Tire Balancer will not block a valve stem, will not ball up and will help you detect any valve stem or tire damage!
- Blaster or Cheetah is OK to use with AME Liquid Tire Balancer.
- Tire technicians using AME Liquid Tire Balancer state that this product makes their job safer and easier.
- AME Liquid Tire Balancer installation instructions are on the bottle or bucket.
- Available in a case of 12 bottles (26140) or a 6 gallon bucket (26142)



26140



26142



TG35



35359



T11E



TG11E



TG11D



T11ES



T24B



T26B



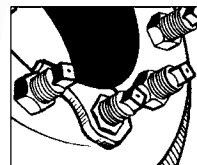
35775



35776



TX9®



TR5



**HEAVY DUTY HAMMERS**

| MODEL NO. | ITEM NO. | DESCRIPTION                      | REPLACEMENT HANDLE | LENGTH        | HEAD WEIGHT      |
|-----------|----------|----------------------------------|--------------------|---------------|------------------|
| TG35      | 35423    | Fiber Glass Handled              | TG11CH             | 18" (46 cm)   | 4.8 lbs (2.2 kg) |
| 35359     | 35359    | Universal HD Wheel Weight Hammer | T11EHS             | 12" (30.5 cm) | 3 lbs (1.4 kg)   |

**BEAD BREAKING WEDGES**

| MODEL NO. | ITEM NO. | DESCRIPTION              | REPLACEMENT HANDLE | LENGTH       | HEAD WEIGHT        |
|-----------|----------|--------------------------|--------------------|--------------|--------------------|
| T11E®     | 35329    | Wood-Handled Wedge       | T11EH              | 30" (76.2cm) | 8 1/2 lbs. (3.9kg) |
| TG11E     | 35429    | Fiberglass Handled Wedge | TG11EH             | 32" (81.3cm) | 8 1/2 lbs. (3.9kg) |
| TG11D     | 35427    | Fiberglass Handled Wedge | TG11DH             | 18" (46cm)   | 4.8 lbs (2.2kg)    |
| T11ES     | 35330    | Wood-Handled Wedge       | T11EHS             | 30" (76.2cm) | 11 lbs (5 kg)      |

**HEAVY DUTY IMPACT BEAD BREAKERS**

| MODEL NO. | ITEM NO. | DESCRIPTION | LENGTH                                    | HEAD WEIGHT       |
|-----------|----------|-------------|---|-------------------|
| T24B      | 35924    | Economy     | 46" (117 cm) Length Extended 72" (183 cm) | 13.5 lbs (6.1 kg) |
| T26B      | 35926    | Heavy-duty  | 50" (127 cm) Length Extended 80" (203 cm) | 23 lbs (10.4 kg)  |

**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.

| MODEL NO. | ITEM NO. | DESCRIPTION | LENGTH | SIZES  |
|-----------|----------|-------------|--------|--|
| 35775     | 35775    | SAE         | 7 1/2" | 5/16", 3/8" 7/16", 1/2", 9/16", 5/8" 11/16", 3/4"      |
| 35776     | 35776    | Metric      | 7 1/2" | 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm |

**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.

| MODEL NO. | ITEM NO. | DESCRIPTION | SIZE          | WEIGHT         |
|-----------|----------|-------------|---------------|----------------|
| TX9®      | 30609    | SAE         | 1 1/2" (38mm) | .73 lbs (.3kg) |

**TRUCK WRENCH HANDLE**

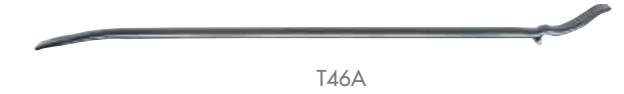
| MODEL NO. | ITEM NO. | LENGTH      | STOCK    | WEIGHT           |
|-----------|----------|-------------|----------|------------------|
| TR5       | 32318    | 22" (56 cm) | 3/4" Hex | 2.7 lbs (1.2 kg) |

FULL LINE KEN-TOOL CATALOG AVAILABLE UPON REQUEST.

**TUBELESS TIRE IRONS & SETS**

Sets provide all irons necessary for a variety of tire changing applications. Use on standard and large truck tires, including industrial, farm, buses, and tractors.

| MODEL NO. | ITEM NO. | DESCRIPTION                  | LENGTH       | STOCK       | WEIGHT             |
|-----------|----------|------------------------------|--------------|-------------|--------------------|
| T46A      | 34747    | Straight Mount/ Demount Tool | 36" (91.4cm) | 3/4" (19cm) | 4 1/2 lbs. (2.0kg) |



**TUBELESS TIRE IRONS & SETS**

| MODEL NO.   | ITEM NO. | LENGTH        | STOCK        | WEIGHT           |
|-------------|----------|---------------|--------------|------------------|
| T45A®       | 34645    | 37" (94.0cm)  | 3/4" (19mm)  | 4.6 lbs. (2.1kg) |
| T45HD       | 34647    | 41" (104.1cm) | 7/8" (22mm)  | 7 lbs. (3.2kg)   |
| T45A-2000K™ | 34644    | 37" (94 cm)   | 3/4" (19mm)  | 5 lbs. (2.2kg)   |
| T45AS       | 34649    | 52" (132 cm)  | 7/8" (22 mm) | 9 lbs. (4.1 kg)  |



**TUBELESS TIRE IRONS & SETS HEAVY-DUTY**

| MODEL NO. | ITEM NO. | DESCRIPTION                  | LENGTH        | STOCK     | WEIGHT          |
|-----------|----------|------------------------------|---------------|-----------|-----------------|
| T47A      | 34847    | Straight Mount/ Demount Tool | 52" (132.1cm) | 1" (25cm) | 11 lbs. (5.0kg) |



**LOCK RING TOOLS**

These tools are designed to remove lock rings on most trucks on the road today. A must have for anyone mounting or demounting multi-piece rims.

| MODEL NO. | ITEM NO. | DESCRIPTION   | LENGTH       | STOCK           | WEIGHT              |
|-----------|----------|---|--------------|-----------------|---------------------|
| T23A      | 33223    | Truck Lock Ring Remover Designed Especially for Firestone RH And RI rims    | 30" (76.2cm) | 11/16" (17.5cm) | 3.1 lbs. (1.4kg)    |
| T48A      | 34648    | Heavy-Duty Lock Ring Tool used for Multi-Piece Wheels, Especially Hub Types | 37" (94cm)   | 3/4" (19mm)     | 4 1/2 lbs. (2.0 kg) |





35444

**35444 DELUXE BLUE COBRA TRUCK TIRE SERVICE SET**

Truck Tire Service Set contains all the tools you need to change most 22.5" and 24.5" tubeless truck tires quickly and easily. All parts can be purchased separately. Set ships in 1 Box, weighing 57 lbs.

| MODEL NO. | ITEM NO. | DESCRIPTION  | QTY. |
|-----------|----------|--|------|
| 35440     | 35440    | Blue Cobra Truck Tire Demount Tool; Demounts up to 425 wide tire | 1    |
| T45A      | 34645    | 37" Tubeless Tire Iron - Our Best Selling Bar!                   | 1    |
| T2022A30  | 33052    | 30" Double-End Tire Spoon  | 1    |
| T11ES     | 35330    | 30" Bead Breaking Wedge w/ Safety Handle, Use with T35 Hammer    | 1    |
| T35       | 35323    | 16 1/2" H.D. Tire Hammer, With Replaceable Rubber Head           | 1    |
| 35848     | 35848    | 8 lb. Bucket Euro Paste Lube; Dries Tacky with Rust Preventative | 1    |
| 30512     | 30512    | Euro-Style Lube Applicator Brush                                 | 1    |
| 31713     | 31713    | Aluminum C-Lok™ Bead Holder                                      | 2    |
| 31810     | 31810    | Leather Rim Protector - Patented!                                | 1    |



T20A



T68

**TIRE MOUNT/DEMOUNT SPOONS**

| MODEL NO. | ITEM NO. | LENGTH       | STOCK            | WEIGHT           |
|-----------|----------|--------------|------------------|------------------|
| T20A      | 33220    | 30" (76.2cm) | 11/16" (17.5mm)  | 3 lbs. (1.4kg)   |
| T20       | 32120    | 24" (61 cm)  | 11/16" (17.5 mm) | 2.4 lbs (1.1 kg) |
| T19A      | 33219    | 30" (76.2cm) | 11/16" (17.5mm)  | 3 lbs. (1.4 kg)  |

**T68 WHEEL COVER PULLER/REPLACER**

| MODEL NO. | ITEM NO. | LENGTH      | STOCK           | WEIGHT          |
|-----------|----------|-------------|-----------------|-----------------|
| T68       | 31568    | 14" (35 cm) | 7/16" (11.1 mm) | 1.3 lbs (.6 kg) |

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

Includes everything you need to service your TPMS Sensor replacement customers: 12 TPMS Sensor Savers, TPMS Valve Core Torque Tool (preset at 4-in-lbs), High Speed Dual Cutter Countersink Drill Bit, Tap, Tap Holder with T-handle, Bottle Ken-Lok™ Thread Sealant, Easy to follow instructions, Blow-molded plastic storage case.

**29981 RECORE REFILL KIT**

Includes 25 TPMS Sensor Savers plus a fresh Tap.



**SAFETY!**

WARNING: SAFETY CAGES - TIRE CHANGING CAN BE DANGEROUS AND SHOULD BE DONE BY TRAINED PERSONNEL USING PROPER TOOLS AND EQUIPMENT AS DIRECTED BY FEDERAL OSHA STANDARD NO. 29CFR PART 1910.177. TIRES MAY EXPLODE DURING INFLATION CAUSING INJURY TO OPERATOR OR BYSTANDER. WEAR SAFETY GOGGLES. KEEP ALL PARTS OF BODY OUTSIDE CAGE. USE EXTENSION HOSE, CLIP-ON CHUCK, AND REMOTE VALVE. SEE SUPERVISOR FOR SAFETY PROCEDURES.



**4-WAY LUG WRENCHES**

| MODEL NO. | ITEM NO. | PART NAME  | DESCRIPTION   | STYLE                 | SOCKET SIZE  | STOCK           | LENGTH        | WEIGHT            |
|-----------|----------|--|---------------|-----------------------|--|-----------------|---------------|-------------------|
| T59       | 35659    | Four-Way Lug Wrench (Standard)                       | Passenger     | Welded Center         | 3/4", 13/16", 7/8", 15/16"                                 | 22" (56 cm)     | 5/8" (16 mm)  | 4.2 lbs (1.9 kg)  |
| T90       | 35690    | Four-Way Lug Wrench (Standard)                       | Light Truck   | Welded Center         | 7/8" deep well, 15/16", 1", 1-1/16"                        | 25" (64 cm)     | 3/4" (19 mm)  | 7.2 lbs (3.2 kg)  |
| T9520     | 35620    | Four-Way Lug Wrench (Economy)                        | Passenger     | Welded Center         | 3/4", 13/16", 7/8", 17 mm                                  | 20" (51 cm)     | 9/16" (14 mm) | 3.4 lbs (1.5 kg)  |
| T61       | 35661    | Four-Way Lug Wrench (Economy)                        | Passenger     | Welded Center         | 3/4", 13/16", 7/8", 17 mm                                  | 22" (56 cm)     | 9/16" (14 mm) | 3.8 lbs (1.7 kg)  |
| T62       | 35662    | Four-Way Lug Wrench (Economy)                        | Passenger     | Welded Center         | 3/4", 13/16", 7/8", 17 mm                                  | 18" (46 cm)     | 9/16" (14 mm) | 3.2 lbs (1.5 kg)  |
| T95       | 35695    | Heavy-Duty Truck Lug Wrench (SAE)                    |               | Forged Center         | 1-1/16", 1-1/4", 1-1/2", 13/16" square                     | 27-1/2" (70 cm) | 1" (25 mm)    | 13.8 lbs (6.2 kg) |
| TC95      | 35595    | Heavy-Duty Truck Lug Wrench                          |               | Forged Center         | 1-1/2", 13/16" square, 30, 33 mm                           | 27-1/2" (70 cm) | 1" (25 mm)    | 14.2 lbs (6.4 kg) |
| 35630     | 35630    | Economy Four-Way Lug Wrench for the Do-It-Yourselfer | Passenger Car | Welded Center, Chrome | 11/16" (17 mm), 3/4" (19 mm), 13/16" (21 mm), 7/8" (22 mm) | 20" (51 cm)     | 5/8" (16 mm)  | 3.7 lbs (1.7 kg)  |
| 35635     | 35635    | Economy Four-Way Lug Wrench for the Do-It-Yourselfer | Passenger Car | Welded Center, Chrome | 11/16" (17 mm), 3/4" (19 mm), 13/16" (21 mm), 7/8" (22 mm) | 14" (36 cm)     | 5/8" (16 mm)  | 2.6 lbs (1.2 kg)  |

**34549 4 PC. DUAL WHEEL SEPARATOR KIT**

Makes removing stuck or frozen dual steel wheels quick and easy. Includes two pullers to cover large truck, trailer and smaller light truck dual wheel applications. Also use to remove singles off hub.



34549

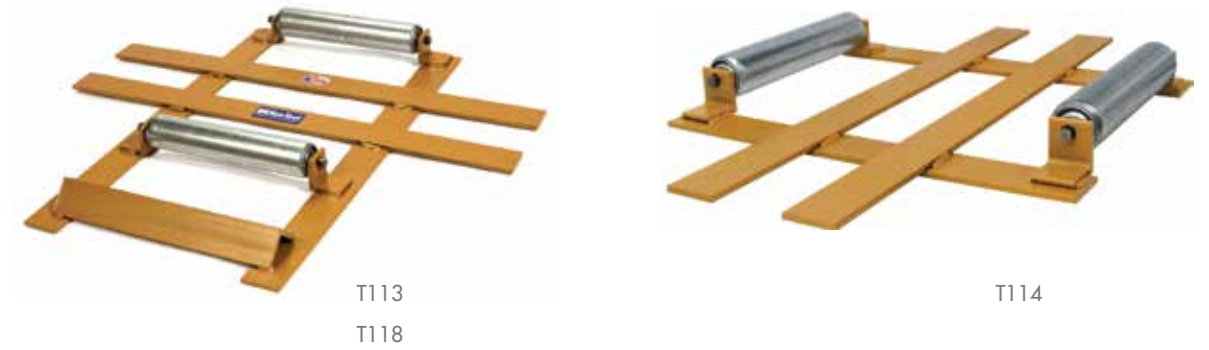
**36047-KT TIRE & WHEEL SERVICE CENTER**

Eye-catching 15"x17" full color display card with photos and descriptions. Convenient mobile base makes positioning for optimum sales a breeze!

| MODEL NO. | ITEM NO. | DESCRIPTION                                     | QTY. |
|-----------|----------|---|------|
| 35110     | 35110    | 18" USA Hickory Tire Knocker                    | 2    |
| T19       | 32119    | 24" Straight Tire Spoon                         | 2    |
| T20A      | 33220    | 30" Curved Tire Spoon                           | 2    |
| T45A      | 34645    | 37" Tubeless Tire Iron                          | 2    |
| T45AC     | 34645C   | 37" Classic Tubeless Tire Iron                  | 2    |
| T45HD     | 34647    | 41" HD Tubeless Tire Iron                       | 2    |
| T46A      | 34747    | 26" Tubeless Tire Iron                          | 2    |
| T35       | 35323    | 16-1/2" HD Tire Hammer - Wood Handle            | 1    |
| TG11E     | 35429    | 32" Bead Breaking Wedge, Fiberglass Handle      | 1    |
| 35637     | 35637    | 18" Passenger 4-Way Lug Wrench, SAE/Metric      | 2    |
| 35638     | T9518    | 23" Light Truck/RV 4-Way Lug Wrench, SAE/Metric | 2    |
| TC95      | 35595    | 27" HD Truck Lug Wrench, Popular Lug Sizes      | 1    |
| 30721     | 30721    | Wire Rack with Roller Base                      | 1    |
| 36047-98  | 36047-98 | Planogram Card with Tie Strap                   | 1    |



36047-KT



**TIRE INFLATION CAGES**

Mandatory for any shop working with tubeless and multi-piece rims. Made from heavy-gauge steel tubing welded to a steel base. Guards against blown lock rings and rims. Follow safety instructions on cage and OSHA regulation 29-CFR Part 1910.177. Meets OSHA regulation requirements for Medium, Heavy-Duty Truck, OTR, Tractor, and Super Singles. Ken-Tool offers a size and design for all your needs. For additional safety instructions, call Haltec customer service.

**PORTABLE INFLATION CAGES**

| MODEL NO. | ITEM NO. | DESCRIPTION              | A HEIGHT         | B WIDTH         | BASE                                | MAX PSI | WEIGHT           |
|-----------|----------|--------------------------|------------------|-----------------|-------------------------------------|---------|------------------|
| T101      | 36001    | Portable 2-Bar           | 41" (104 cm)     | 16" (41cm)      | 7" closed x 21-1/2" (18 cm x 55 cm) | 130     | 60 lbs (27.2 kg) |
| T101A     | 36007    | Portable Wide Base 2-Bar | 43-1/2" (111cm)  | 20-1/2" (52 cm) | 7" closed x 27" (18 cm x 69 cm)     | 130     | 72 lbs (32.6 kg) |
| T119      | 36019    | Portable Magnum 2-Bar    | 49-1/2" (126 cm) | 24-1/2" (62 cm) | 7" x 30" closed (18 cm x 76 cm)     | 130     | 80 lbs (36.2 kg) |

**INFLATION CAGES**

| MODEL NO. | ITEM NO. | DESCRIPTION                        | A HEIGHT         | B WIDTH         | BASE                          | MAX PSI | WEIGHT             |
|-----------|----------|------------------------------------|------------------|-----------------|-------------------------------|---------|--------------------|
| T102      | 36002    | 4-Bar Cage                         | 43-1/2" (111cm)  | 20-1/2" (52 cm) | 31-1/2" x 26" (80 cm x 66 cm) | 130     | 146 lbs (66.2 kg)  |
| T103      | 36003    | 3-Bar Passenger & Light Truck Cage | 30" (76 cm)      | 16" (41 cm)     | 21-1/2" x 22" (55 cm x 56 cm) | 130     | 80 lbs (36.2 kg)   |
| T104      | 36004    | 3-Bar Cage (OTR & FARM)            | 65" (165 cm)     | 24" (61cm)      | 30" x 27" (76 cm x 69 cm)     | 130     | 158 lbs (72.6 kg)  |
| T105      | 36005    | 5-Bar Cage                         | 43-1/2" (111cm)  | 20-1/2" (52 cm) | 41" x 26" (104 cm x 66 cm)    | 130     | 182 lbs (82.5 kg)  |
| T106      | 36006    | 3-Bar Cage                         | 43-1/2" (111cm)  | 20-1/2" (52 cm) | 26" x 22" (66 cm x 56 cm)     | 130     | 134 lbs (60.7 kg)  |
| T108      | 36008    | 7-Bar Cage                         | 46" (117 cm)     | 29" (74 cm)     | 56" x 34" (86 cm x 142 cm)    | 130     | 485 lbs (220 kg)   |
| T109      | 36009    | 5-Bar Magnum                       | 41-1/2" (105 cm) | 24-1/2" (62 cm) | 48" x 30" (122 cm x 76 cm)    | 130     | 211 lbs (96 kg)    |
| T110      | 36010    | 5-Bar Supermagnum                  | 41-1/2" (105 cm) | 24" (61 cm)     | 48" x 30" (122 cm x 76 cm)    | 130     | 248 lbs (112.7 kg) |
| T111      | 36011    | 10-Bar Earthmover                  | 76" (193 cm)     | 42" (107 cm)    | 48" x 72" (122 cm x 183 cm)   | 100     | 828 lbs (376.4 kg) |

**36014-T114 EZ TIRE ROTATOR FOR INFLATION CAGES**

- 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.
- Feature heavy -duty 2" ball-bearing rollers and 1/4" thick steel stock for long service.
- Boxed and UPS shippable.
- Made in the USA. Patented

**EZ TIRE ROTATORS™**

| MODEL NO. | ITEM NO. | DESCRIPTION                  | LENGTH                            | WEIGHT          |
|-----------|----------|------------------------------|-----------------------------------|-----------------|
| T113      | 36013    | Magnum EZ Rotator™ with Ramp | 25" x 28" (64 cm x 71 cm)         | 22 lbs (10 kg)  |
| T114      | 36014    | EZ Tire Rotator™             | 17-1/2" x 25-1/2" (44 cm x 65 cm) | 16 lbs (7.3 kg) |
| T118      | 36018    | EZ Rotator™ with Ramp        | 25" x 25" (64 cm x 64 cm)         | 21 lbs (9.5 kg) |



**VICES**

| MODEL NO. | ITEM NO. | DESCRIPTION                             | WEIGHT           | JAW WIDTH        | JAW OPENING           | THROAT DEPTH     | PIPE JAW CAPACITY          |
|-----------|----------|---|------------------|------------------|-----------------------|------------------|----------------------------|
| K55       | 64055    | Professional Workshop Vice              | 27 lbs (12.3 kg) | 5-1/2" (14 cm)   | 7-1/2" (19.1 cm)      | 3-1/4" (8.3 cm)  | 1/8"-2-1/2" (.3-6.4 cm)    |
| K65       | 64065    | Professional Workshop Vice              | 38 lbs (17.3 kg) | 6-1/2" (16.5 cm) | 9" (22.9 cm)          | 3-7/8" (9.8 cm)  | 1/8"-3-1/2" (.3-8.9 cm)    |
| KT4650    | 64650    | Professional Reversible Mechanic's Vice | 52 lbs (23.6 kg) | 6-1/2" (16.5 cm) | 9"-12" (22.9-30.5 cm) | 4" (10.1 cm)     | 1/8"-4-1/4" (.3-10.8 cm)   |
| KT4800    | 64800    | Professional Reversible Mechanic's Vice | 74 lbs (33.6 kg) | 8" (20.3 cm)     | 11"-14" (28-35.6 cm)  | 4-7/8" (12.4 cm) | 1/8" - 4-1/4" (.3-10.8 cm) |

Table with multiple columns listing various product models and their corresponding page numbers. Includes sections for INDEX, POLICY & WARRANTY, and SAFETY PRECAUTIONS.



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