

# CTS Connect™

## Manual & Automatic Connectors



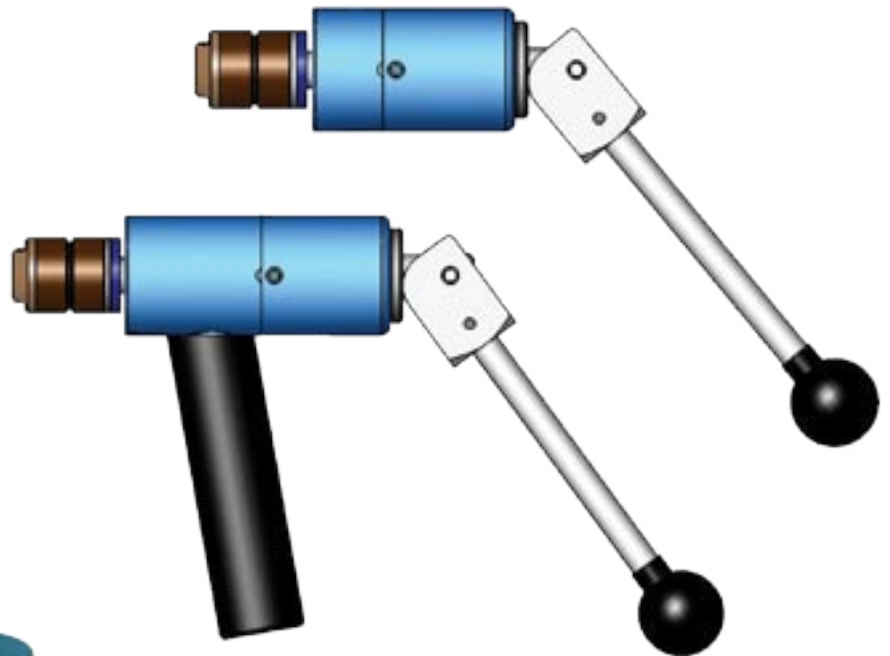
providing world-class leak test and assembly verification solutions



Patent Pending



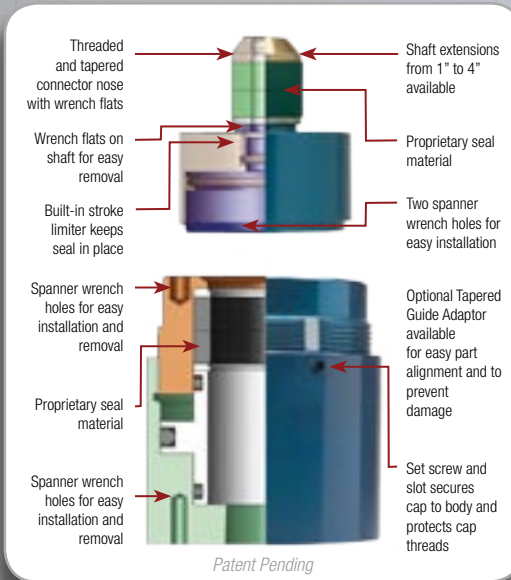
Patent Pending



- Automatic Air Actuated
- Manually Actuated



## : CTS Connect™ Air Actuated Connectors



CTS Connect™ air actuated internal or external connectors effectively seal on smooth, rough or threaded circular features of a part. The connectors consist of an air-driven internal piston that compresses the durable proprietary seal material against the surface of the part. This creates a tight seal that meets all test pressure requirements, regardless of surface shape or finish.

### Options and Accessories Standard & Custom Shaft Extensions



- Markets**
- Automotive
  - Medical
  - Appliance
  - Consumer Goods
  - Industrial
  - Hydraulic
  - HVAC
  - Military



### Tapered Guide Adaptor

- Quickly guides part into the CTS Connect
- Eliminates damage to body and seal

### Applications

- Leak testing
- Filling
- Cleaning
- Burst testing
- Pressure testing
- Flushing
- Charging
- Integrity
- Sealing
- Part handling

### Spring Mount Option

- Compensates for minor part misalignment
- Improves loading times



The CTS Connect™ line of air actuated connectors are rugged and durable. Our patented design features make these connectors the easiest to use and most trouble-free connectors you can buy.

Should you need a custom designed connector, just contact our CTS sales team for a quick solution.



### ID Connectors Features

- Smooth bore sealing
- Threaded bore sealing
- Standard seal material
- Custom
- Medical / food grade seal material
- Stroke limiter (prevents rolling seals)
- Tapered and threaded nose guide to secure seals
- Wrench flats on seal shaft for easy maintenance
- Spanner wrench holes to simplify tightening of fittings
- Optional shaft extenders

### CTS Connect

- Yes
- Yes
- Proprietary grade
- As requested
- FDA approved
- Yes
- Yes
- Yes
- Yes
- Yes
- 1", 2", 3" and 4"

### OD Connectors Features

- Smooth bores
- Threaded bores
- Standard seal material
- Custom
- Medical / food grade seal material
- Spanner wrench holes in cap and body for easy disassembly
- Set screw slot in cap to protect threads
- Optional lead-in cover to guide part and protect the cap

### CTS Connect

- Yes
- Yes
- Proprietary grade
- As requested
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- Yes
- Yes
- Yes



## : CTS Connect™ Manual Connectors

### Manual I.D. connector

The HI model series is a plug only with no test / fill inlet port.



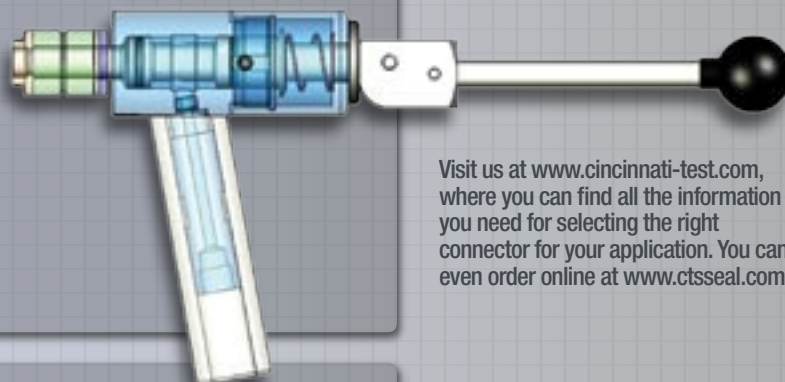
### Manual I.D. connector with test / fill inlet port

The HIF model has a threaded NPT test or fill inlet port.



### Manual I.D. connector with test / fill inlet port and integrated handle

The HIH model series connector is supplied with an extended test / fill air inlet fitting and covered with a cushioned, ergonomically designed comfort grip handle to provide maximum operator comfort all day long.



Visit us at [www.cincinnati-test.com](http://www.cincinnati-test.com), where you can find all the information you need for selecting the right connector for your application. You can even order online at [www.ctsseal.com](http://www.ctsseal.com)!

### Features

Smooth bores (vacuum to 50 psig) and threaded holes (vacuum to 100 psig)

Cam lock actuator

Three models to handle any manual application

Ergonomic handle design

Hardened steel cam surfaces

Easy lock seal diameter adjustment

Hard coat anodized surface

Custom designs available

### Benefits

Covers most common tubing & port sizes

Stays in place until released

Plug, plug & fill, and plug & fill with comfort grip handle

Improves operator comfort

Provide durable, long wear life

Adjusts to fit your application

Superior wear & corrosion finish resistance

Engineered for special applications

The CTS Connect™ line of manual connectors are designed for durability and superior wear. These rugged connectors are designed with the operator in mind, featuring ergonomic actuating levers and optional **comfort grip** handles.



## : technical services



### Training

CTS has a dedicated training department to meet your company's training needs. Training classes are offered at regional locations for CTS standard products. CTS custom and standard products training can also be scheduled at your site, or at CTS' main facility.



### Application Lab Validation

Cincinnati Test Systems offers application assistance and test validation by our experienced laboratory staff. Lab capabilities include leak testing, function testing, press force monitor testing and data acquisition profiling. Testing customer part samples ensures that our instruments will meet the customer's unique test requirements. Test results are communicated to the customer in a professional test report.



### On-Site Service

CTS offers expert on-site service. Trained specialists can troubleshoot equipment problems and offer suggestions on improving your daily leak test operations. Give us a call and see what we can do to reduce your downtime.



A TASI Group Company

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## : accessories



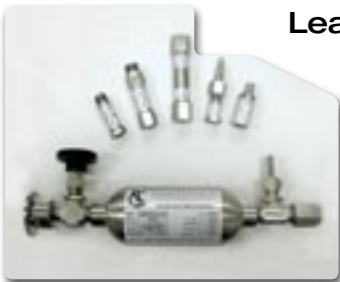
### Leak Test Accessories

Cincinnati Test Systems offers a range of leak test accessories, including leak finder, CTS vacuum and pressure gauges, and other indispensable leak testing accessories.



### Custom Seals

Custom urethane seals from CTS. This collection of seals is a culmination of more than 25 years of leak testing experience! We have over 500 different molded urethane seals available for nearly any leak testing application. We also supply cut flat seals from bulk urethane in many sizes.



### Leak Standards

Cincinnati Test Systems Standards Lab produces the highest quality leak standards in the world. The lab follows strict calibration procedures and is accredited by A2LA to the ISO 17025 standard. Calibration certificates issued are traceable to NIST. Flow and leak standards are sized for each application to specific flow and pressure specifications.

## : leak test instruments

### Sentinel I-24

The Sentinel I-24 is the latest and most technologically advanced single-station leak test instrument in the CTS line of instruments.



### Sentinel M-24

The Sentinel M-24 is our most versatile leak test instrument and features expanded capabilities that offer control of up to four independent stations.



### Sentinel C-20

The Sentinel C-20 is an economical, high-performance, quality pressure decay leak detection instrument with advanced standard features.

