



## HL Gland for Hazardous Locations CSA® Certified in the U.S. and Canada with a Pressure Rating of 500 psig



Conax® Buffalo Technologies' HL Gland is designed for sealing protection in a wide variety of hazardous environments.

The Conax HL Gland has been CSA® certified in the U.S. and Canada for use in hazardous locations defined by the NEC® as Class I, Div. 1 and 2, Groups B, C, and D; Class II, Div. 1 and 2, Groups E, F, and G; and Class III.

### HL Gland Features

- CSA® certified in the U.S. and Canada
- Pressure rated to 500 psig
- Suitable for gas or liquid
- Features Grafoil® sealant
- Teflon sleeves are used to protect wires from damage
- Two body styles – small (1/2" NPT) and large (3/4" NPT)
- Body and cap material is 303 SST
- Wire, solid 14, 16 or 18 AWG is supplied either by customer or Conax Buffalo
- Minimum 18" leads on both ends
- Wires can be easily assembled in the field
- Temperature range from -4°F to 130° F (-20°C to + 55°C)

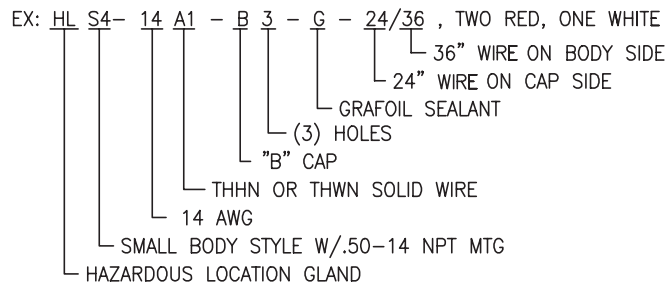
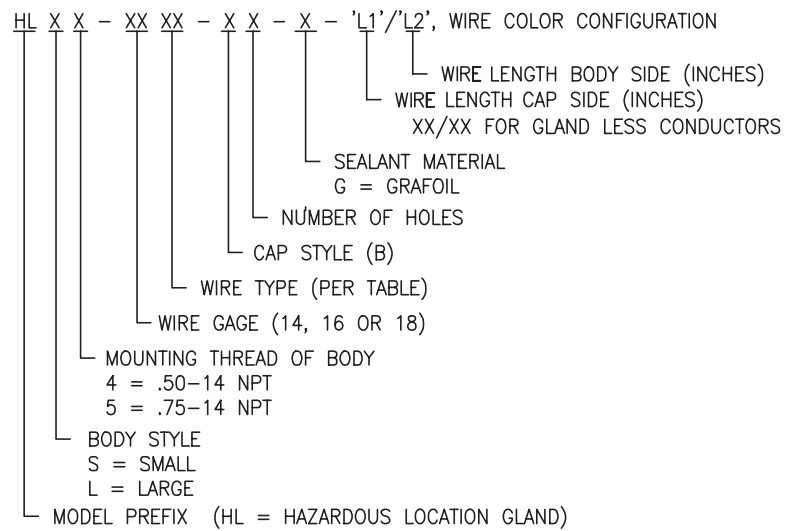
The Conax HL Gland is a superior solution to Chico® and other similar conduit sealing compound fittings commonly used in hazardous environments.

With a mechanically-sealed Conax HL Gland, you will not have to be concerned about:

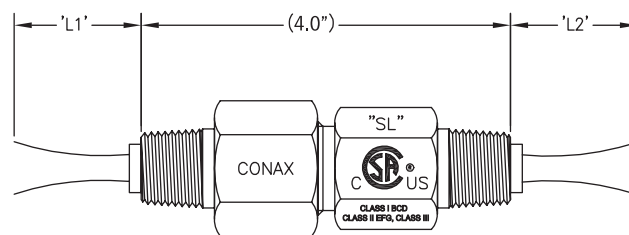
- cracks in compound sealants or incorrectly installed compound sealants that allow explosive gases or liquids to leak in the conduit system, or
- migration of explosive gases through stranded conductors due to a pressure differential in the conduit system.

Both situations have the potential for explosive gases or liquids to cause corrosion to instrumentation or, even more problematically, to ignite when in the presence of instrumentation causing damage to property and possible injury to people.

### Catalog Numbering System



### Specifications



## Product Selection Guide

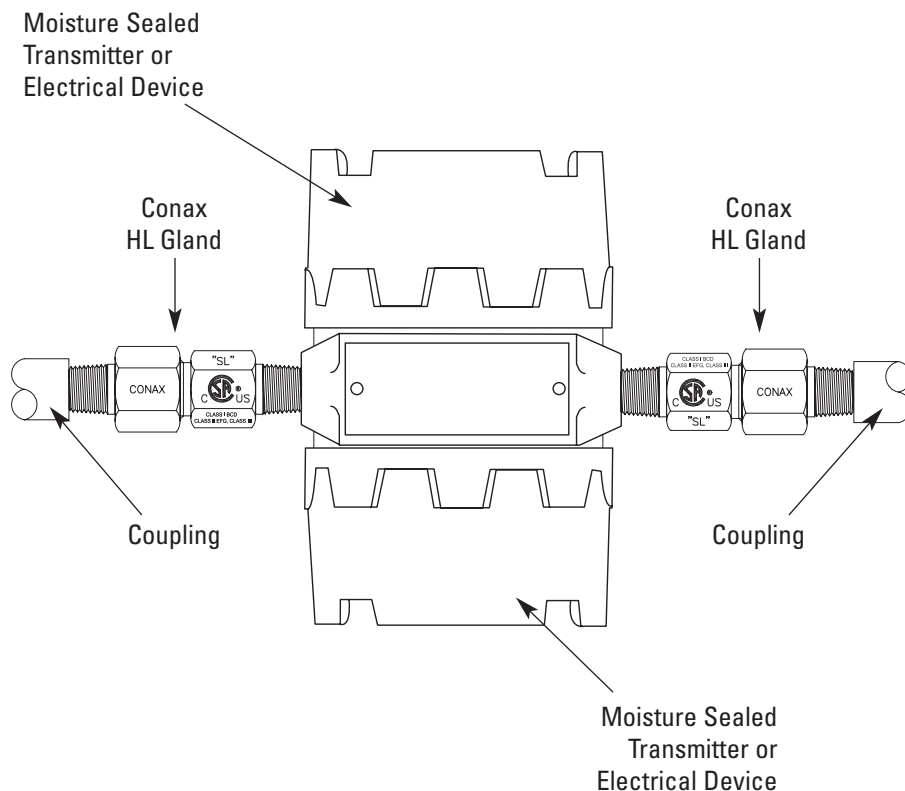
| MODEL No.      | NPT    | No. OF CONDUCTORS | TORQUE (FT-LBS) |
|----------------|--------|-------------------|-----------------|
|                |        |                   | GRAFOIL         |
| HLS4-14A1-B2-G | .50-14 | 2                 | 160-165         |
| HLS4-14A1-B3-G |        | 3                 |                 |
| HLS4-14A1-B4-G |        | 4                 |                 |
| HLS4-14A1-B6-G |        | 6                 |                 |
| HLL5-14A1-B2-G | .75-14 | 2                 | 160-165         |
| HLL5-14A1-B3-G |        | 3                 |                 |
| HLL5-14A1-B4-G |        | 4                 |                 |
| HLL5-14A1-B6-G |        | 6                 |                 |
| HLS4-16B1-B2-G | .50-14 | 2                 | 160-165         |
| HLS4-16B1-B3-G |        | 3                 |                 |
| HLS4-16B1-B4-G |        | 4                 |                 |
| HLS4-16B1-B6-G |        | 6                 |                 |
| HLL5-16B1-B2-G | .75-14 | 2                 | 160-165         |
| HLL5-16B1-B3-G |        | 3                 |                 |
| HLL5-16B1-B4-G |        | 4                 |                 |
| HLL5-16B1-B6-G |        | 6                 |                 |
| HLS4-18B1-B2-G | .50-14 | 2                 | 160-165         |
| HLS4-18B1-B3-G |        | 3                 |                 |
| HLS4-18B1-B4-G |        | 4                 |                 |
| HLS4-18B1-B6-G |        | 6                 |                 |
| HLS4-18B1-B8-G |        | 8                 |                 |
| HLL5-18B1-B2-G | .75-14 | 2                 | 160-165         |
| HLL5-18B1-B3-G |        | 3                 |                 |
| HLL5-18B1-B4-G |        | 4                 |                 |
| HLL5-18B1-B6-G |        | 6                 |                 |
| HLL5-18B1-B8-G |        | 8                 |                 |

## Wire Diameter Guide

| CBT WIRE CODE * | WIRE TYPE         | WIRE DIAMETER WITH INSULATION |             |             |
|-----------------|-------------------|-------------------------------|-------------|-------------|
|                 |                   | 14 AWG                        | 16 AWG      | 18 AWG      |
| A               | 1<br>THHN<br>THWN | .100 - .110                   | -           | -           |
| B               | 1<br>TFN          | -                             | .088 - .098 | .078 - .088 |

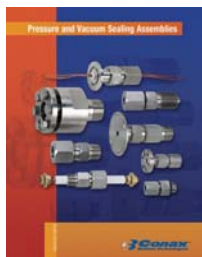
\* 1 = SOLID WIRE

## Typical HL Gland Installation



## Conax® Buffalo Technologies – Your Complete Source for Sealing Glands

Conax Buffalo Technologies designs and manufactures a complete line of pressure/vacuum mechanical sealing glands and assemblies for wires and probes for virtually every industry. A wide range of catalog standard sealing glands are available from stock, while unlimited custom designs are also available for unique wire or probe sealing applications.



Request our Complete Sealing Gland Catalog #5001B or CD or visit our website at [www.conaxbuffalo.com](http://www.conaxbuffalo.com)



The standard ranges of sealing assemblies shown in our literature can be customized through the use of other materials for gland bodies, the choice of special sealant materials and by specifying optional mounting and cap threads.

Our knowledgeable, experience staff would welcome the opportunity to discuss any customized sealing gland solution you require.

**Call Conax Buffalo today at 1.800.223.2389!**

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