


# Kor-N-Seal<sup>®</sup> I Toggle Style Connector

## Installation Instructions

### Connector Installation

1. Check to be sure the Korband is properly located in Connector groove.
  2. Inspect the inside surface of the cored hole. If there is porosity or wire-to-concrete separation, use patching or hydraulic cement to smooth the surface.
  3. Insert Connector Assembly into hole with “V” of the Korband at the top.
  4. Insert the Hydraulic Jack into the Korband in a vertical position. Take up any slack in the jack ram. Make sure the “V” of the toggle is cradled in the “V” of the jack ram.
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5. Align the Connector Assembly perpendicular to the horizontal and vertical plane of the opening. The Korband must be located within the wall of the hole.
  6. Activate the Hydraulic Jack until the “V” of the toggle begins to expand radially. The gauge on the jack must reach a minimum pressure of 1500 psi
  7. After toggle passes center, the pressure reduces. Continue pumping until gauge reaches 2000 psi. Visually inspect the toggle to make sure it has gone over center.

### Pipe Installation

1. Be sure sealing area of pipe is smooth and free of defects. Repair if needed.
2. Center pipe in Connector opening.  
**(Pipe must not rest on Connector Korband)**
3. Position the Pipe Clamp in the Connector's Pipe Clamp groove with the screw at the top.
4. Tighten the Pipe Clamp screw to 60 inch pounds with a T-handle Torque Wrench, P/N 80090.

Note: On minimum pipe O.D. installations, lift the rubber up underneath the Pipe Clamp screw so that the Connector contacts the bottom surface of the pipe while the Pipe Clamp screw is being tightened. Application of pipe lubrication on the underside of the clamp will also help ensure that an even contraction of rubber is maintained throughout the clamping area.

Caution: Do not use impact wrench for installation. All pipe stubs must be restrained.

Using Corrugated Pipe:

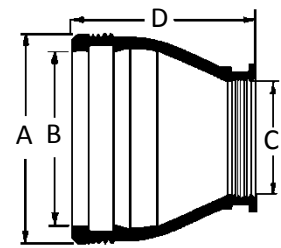
Adapters are required when using Corrugated Pipe.

Refer to the Corrugated Pipe Adapter Data Sheet for details.

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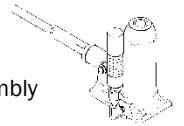
## Sizing Chart

Model Number	Pipe O.D. Range	Hole Size Range	Connector Dimensions				Pipe Clamp P/N
		A	B	C	D		
S106-7T	3.50 - 4.50	6.995 - 7.055	6.125	4.50	6	I-80	
S406-10AT	6.00 - 6.75	10.055 - 10.145	8.500	6.50	6	I-128	
S406-10T	7.50 - 8.40	10.055 - 10.145	8.500	8.50	6	I-180	
S406-10.5AT	6.00 - 6.75	10.525 - 10.615	9.000	6.50	6	I-128	
S406-10.5T	7.50 - 8.90	10.525 - 10.615	9.000	8.50	6	I-180	
S406-11BT	6.00 - 7.00	11.040 - 11.125	9.500	6.00	6	I-180	
S406-11AT	7.50 - 9.00	11.040 - 11.125	9.500	8.00	6	I-128	
S406-12CT	6.00 - 7.00	12.040 - 12.130	10.625	6.50	6	I-128	
S406-12BT	6.25 - 7.50	12.040 - 12.130	10.625	7.00	6	I-128	
S406-12AT	7.50 - 9.00	12.040 - 12.130	10.625	8.50	6	I-180	
S406-12T	9.00 - 10.50	12.040 - 12.130	10.625	10.00	6	I-180	
S106-12BT	5.75 - 7.00	12.040 - 12.130	10.625	6.50	8	I-128	
S106-12AT	7.00 - 8.50	12.040 - 12.130	10.625	8.00	8	I-180	
S106-12T	8.25 - 9.75	12.040 - 12.130	10.625	9.25	8	I-180	
S106-14AT	9.50 - 11.25	14.025 - 14.115	12.250	10.50	8	I-190	
S106-16BT	9.50 - 11.25	15.975 - 16.070	14.625	10.50	8	I-190	
S106-16AT	11.25 - 13.00	15.975 - 16.070	14.625	12.25	8	I-218	
S106-16T	13.00 - 14.50	15.975 - 16.070	14.625	14.00	8	I-242	



### Installation Tools:

For connector sizes 10-16":  
Hydraulic Jack Assembly  
P/N 91910



For the S106-7T:  
Expander Assembly  
P/N 90225



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