

# Kor-N-Seal® I EX Series Connector (WP-EX Series)

## Installation Instructions

### CONNECTOR INSTALLATION

1. Check to be sure the EX Series Waveband® is properly located in Connector groove.
2. Inspect the inside surface of the cored/formed 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 Wedge Expander at top of hole.
4. Position Connector so it is square to manhole both vertically and horizontally.
5. Tighten Wedge Expander using 1/2" socket wrench to 12 foot pounds.
6. Retorquing prior to shipment is recommended but not required.

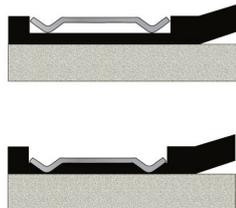
#### Note if Vacuum Testing

Testing should be done prior to backfilling so that leaks can be easily located and repaired.

All lift holes need to be plugged with a nonshrinking mortar.

Plug all pipes entering the manhole, taking care to securely brace the pipes and plugs.

Patented Waveband technology "captures" the rubber between itself and the concrete, creating a more effective seal.



### 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 Korbant)
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, tension the rubber under the pipe clamp by lifting the rubber toward pipe clamp screw housing by hand. This will help prevent the rubber from wrinkling or folding over during tightening of hose clamp. Application of a very small amount pipe lube on the pipe clamp track will allow the pipe clamp to slide on the rubber and improve the performance of the hose clamp. Make sure to torque all screw locations on the pipe clamps.

#### Caution:

Do not use impact wrench for installation.

All pipe stubs must be restrained.

Adapters are required when using Corrugated Pipe. Refer to the Corrugated Pipe Adapter Data Sheet for more information.

Check calibration of torque limiters monthly.

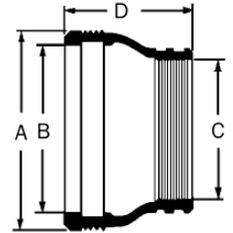
Torque limiters are available for connectors that can be used with cordless drills and hand or air ratches.

Call 800-626-2180 for additional information.

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## Sizing Chart

| Kor-N-Seal Connector P/N (inches) | Suggested Pipe O.D. Range (inches) | Hole Size Range (inches) | Connector Dimensions (inches) |       |   | Pipe Clamp P/N |
|-----------------------------------|------------------------------------|--------------------------|-------------------------------|-------|---|----------------|
|                                   |                                    | A                        | B                             | C     | D |                |
| S406-10AWP-EX                     | 6.00 - 6.75                        | 10.06 - 10.20            | 8.13                          | 6.50  | 6 | I-128          |
| S406-10WP-EX                      | 7.50 - 8.00                        | 10.06 - 10.20            | 8.13                          | 8.50  | 6 | I-180          |
| S406-10.5AWP-EX                   | 6.00 - 6.75                        | 10.53 - 10.70            | 8.63                          | 6.50  | 6 | I-128          |
| S406-10.5WP-EX                    | 7.50 - 8.50                        | 10.53 - 10.70            | 8.63                          | 8.50  | 6 | I-180          |
| S406-11BWP-EX                     | 6.00 - 7.00                        | 11.03 - 11.20            | 9.13                          | 6.00  | 6 | I-128          |
| S406-11AWP-EX                     | 7.50 - 9.00                        | 11.03 - 11.20            | 9.13                          | 8.00  | 6 | I-180          |
| S406-12CWP-EX                     | 6.00 - 7.00                        | 12.04 - 12.20            | 10.13                         | 6.50  | 6 | I-128          |
| S406-12BWP-EX                     | 6.25 - 7.50                        | 12.04 - 12.20            | 10.13                         | 7.00  | 6 | I-128          |
| S406-12AWP-EX                     | 7.50 - 9.00                        | 12.04 - 12.20            | 10.13                         | 8.50  | 6 | I-180          |
| S406-12WP-EX                      | 9.00 - 10.00                       | 12.04 - 12.20            | 10.13                         | 10.00 | 6 | I-180          |
| S106-12BWP-EX                     | 5.75 - 7.00                        | 12.04 - 12.20            | 10.13                         | 6.50  | 8 | I-128          |
| S106-12AWP-EX                     | 7.00 - 8.50                        | 12.04 - 12.20            | 10.13                         | 8.00  | 8 | I-180          |
| S106-12WP-EX                      | 8.25 - 9.75                        | 12.04 - 12.20            | 10.13                         | 9.25  | 8 | I-180          |
| S106-14AWP-EX                     | 9.50 - 11.25                       | 14.03 - 14.20            | 12.13                         | 10.50 | 8 | I-190          |
| S106-16BWP-EX                     | 9.50 - 11.25                       | 15.98 - 16.15            | 14.13                         | 10.50 | 8 | I-190          |
| S106-16AWP-EX                     | 11.25 - 13.00                      | 15.98 - 16.15            | 14.13                         | 12.25 | 8 | I-218          |
| S106-16WP-EX                      | 13.00 - 14.00                      | 15.98 - 16.15            | 14.13                         | 14.00 | 8 | I-242          |
| S106-20BWP-EX                     | 14.00 - 15.50                      | 19.95 - 20.10            | 18.25                         | 15.00 | 8 | I-306          |
| S106-20AWP-EX                     | 15.50 - 17.00                      | 19.95 - 20.10            | 18.25                         | 16.50 | 8 | I-306          |
| S106-20WP-EX                      | 17.00-18.15                        | 19.95 - 20.10            | 18.25                         | 18.00 | 8 | I-306          |



\*Refer to Installation Instructions for factory recommended torque values



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