

Kor-N-Seal[®] II 306 Series Connector

Installation Instructions

Korband Installation (If not already installed)

1. Install Korband into Connector by first fitting Wedge Expander into center of cutout provided, then installing remainder of Korband. Make sure that head of bolt on Wedge Expander is located to the outside of Connector/inside of manhole.
2. Using pipe lubricant, lightly lube at least three to four sections of Korband by bending back rubber one section at a time. *Do not lube wedge area.*
3. Check to be sure Korband is properly located in Connector groove.

Connector Installation

1. 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.
2. Refer to the Overhang Dimension Chart to determine the inside “overhang” dimension for the connector at the top and bottom of the hole. This dimension corresponds to the manhole size and the connector size.
3. Position the connector in the hole so that the top and the bottom of the connector are inside the manhole at the correct “overhang” dimension for your manhole and the connector hole size. **Make sure that the sides of the boot (at 9:00 and 3:00) are also equally aligned in the hole and the Wedge is located at 10:30 or 1:30. The position of the Wedge is critical for proper installation of this connector.**
6. Tighten Wedge Expander equally using a torque wrench with a 3/8" hex bit socket (p/n 80718).
7. Place plastic cap over end of bolt.

8. Retorquing prior to shipping is recommended but not required.

Recommended Torque Values:

Single Wedge: 75 ft. lbs.

Multiple Wedges: 45 - 75 ft. lbs.

Note: Multiple Wedges should be tightened incrementally to at least 45 foot pounds. Higher torque can be applied to one or more wedges since the wedges apply force linearly. Torque values can be different on each wedge.

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(s) in the Connector's Pipe Clamp groove.
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.

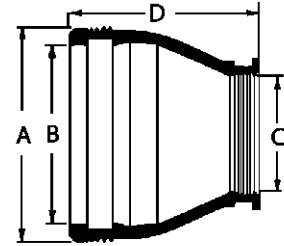
Caution: Do not use impact wrench for installation. All pipe stubs must be restrained.

Kor-N-Seal® II

306 Series Connector

Sizing Chart

P/N	Suggested Pipe O.D. Range	Hole Size Range		Connector Dimensions				Pipe Clamp	
		A	B	C	D	Qty.	P/N		
S306-22	17.625 - 19.000	21.98 - 22.13	19.875	19	10.50	2	I-318		
S306-22L	19.000 - 19.625			20		2	I-348		
S306-24	19.625 - 21.000	23.98 - 24.13	21.875	21	10.50	4	I-180		
S306-24L	21.000 - 21.625			22		4	I-180		
S306-26	21.625 - 23.000	26.00 - 26.20	23.875	23	10.50	4	I-190		
S306-26L	23.000 - 23.625			24		4	I-218		
S306-28	23.625 - 25.000	28.00 - 28.20	25.875	25	10.50	4	I-218		
S306-28L	25.000 - 25.625			26		4	I-218		
S306-30	25.625 - 27.000	30.00 - 30.20	27.875	27	10.50	4	I-218		
S306-30L	27.000 - 27.625			28		4	I-242		
S306-32	27.625 - 29.000	32.00 - 32.20	29.875	29	10.50	4	I-242		
S306-32L	29.000 - 29.625			30		4	I-242		
S306-34	29.625 - 31.000	34.00 - 34.20	31.875	31	10.50	4	I-258		
S306-34L	31.000 - 31.625			32		4	I-258		
S306-36	31.625 - 33.000	36.00 - 36.20	33.875	33	10.50	4	I-282		
S306-36L	33.000 - 33.625			34		4	I-282		
S306-38	33.625 - 35.000	38.00 - 38.20	35.875	35	10.50	4	I-282		
S306-38L	35.000 - 35.625			36		4	I-306		
S306-40	35.625 - 37.000	40.00 - 40.20	37.875	37	10.50	4	I-306		
S306-40L	37.000 - 37.625			38		4	I-306		
S306-42	37.625 - 39.000	42.00 - 42.20	39.875	39	10.50	4	I-318		
S306-42L	39.000 - 39.625			40		4	I-348		
S306-44	39.625 - 41.000	44.00 - 44.20	41.875	41	10.50	4	I-348		
S306-44L	41.000 - 41.625			42		4	I-348		
S306-46	41.625 - 43.000	46.00 - 46.20	43.875	43	10.50	4	I-348		
S306-46L	43.000 - 43.625			44		6	I-242		
S306-48	43.625 - 45.000	48.00 - 48.20	45.875	45	10.50	6	I-242		
S306-48L	45.000 - 45.625			46		6	I-258		



- Double Wedge is available for 22 to 48 inch sizes, but .500 inches must be subtracted from the "B" dimension thus limiting your pipe O.D. range by .500 inches. The Double Wedge is only available on the "L" connectors.
- Special sizes quoted upon request.
- 50 inch (or larger) Connectors have 2 Wedges or more.
- Using Corrugated Pipe: Adapters are required when using Corrugated Pipe. Refer to the Corrugated Pipe Adapter Data Sheet for details.



TRELLEBORG
ENGINEERED SYSTEMS



Trelleborg Pipe Seals Milford, Inc.
250 Elm Street, P.O. Box 301, Milford, New Hampshire 03055 U.S.A.
Tel: 800-626-2180 603-673-8680 Fax: 603-673-7271 www.trelleborg.com/npc