

# Kor-N-Seal® II 206 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 the Wedge Expander bolt head 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. Insert Connector Assembly into the hole properly positioning 1, 2, 3, or 4 Wedge Expander(s). Do not place wedge at bottom of hole.
3. Position Connector so it is flush with the inner wall of the manhole at top and bottom of hole and/or assuring full contact of the Korband. Be sure the connector is square in the hole.
4. Tighten Wedge Expander equally using a torque wrench with a ½" drive and a 3/8" hex bit socket (p/n 80718).
5. Place plastic cap over end of bolt.
6. Retorquing prior to shipping is recommended but not required.

### 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. Power gearclamps tighten to 120 inch pounds.

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.

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#### Recommended Torque Values:

Single Wedge: 75 ft. lbs.

Multiple Wedges: 45 - 75 ft. lbs.

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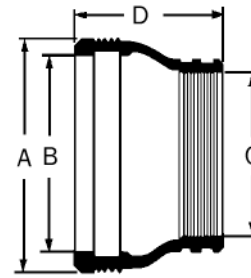
Note: Multiple Wedges should be tightened incrementally to at least 45 foot pounds. Higher torque can be applied to one or more wedges since the wedges apply force linearly. Torque values can be different on each wedge.

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.



**SIZING CHART**

P/N	Suggested Pipe O.D. Range	Hole Size Range				Connector Dimension				Pipe Clamps		Minimum Manhole Size
		A	B	C	D	Qty	P/N					
S206-18L	15.000 - 15.625	17.98 - 18.13	15.875	16	10.50	2	I-282	48/4				
S206-20	15.625 - 17.000	19.98 - 20.13	17.875	17	10.50	2	I-282	48/4				
S206-20L	17.000 -17.625			18		2	I-306					
S206-22	17.625 - 19.000	21.98 - 22.13	19.875	19	10.50	2	I-318	48/4				
S206-22L	19.000 -19.625			20		2	I-348					
*S206-24A	18.000 - 19.500	23.98 - 24.13	21.875	18.75	10	4	I-180	48/5				
S206-24	19.625 - 21.000	23.98 - 24.13	21.875	21	10.50	4	I-180	48/5				
S206-24L	21.000 - 21.625			22		4						
S206-26	21.625 - 23.000	26.00 - 26.20	23.875	23	10.50	4	I-190	48/5				
S206-26L	23.000 - 23.625			24		4	I-218					
S206-28	23.625 - 25.000	28.00 - 28.20	25.875	25	10.50	4	I-218	48/6				
S206-28L	25.000 - 25.625			26		4						
S206-30	25.625 - 27.000	30.00 - 30.20	27.875	27	10.50	4	I-218	48/6				
S206-30L	27.000 - 27.625			28		4	I-242					
S206-30L-32	27.000 - 27.625	30.00 - 32.20	27,875	28	10,50	4	I-242	60/6				
S206-32	27.625 - 29.000	32.00 - 32.20	29.875	29	10.50	4	I-242	60/6				
S206-32L	29.000 - 29.625			30		4						
S206-34	29.625 - 31.000	34.00 - 34.20	31.875	31	10.50	4	I-258	60/6				
S206-34L	31.000 - 31.625			32		4						
S206-36	31.625 - 33.000	36.00 - 36.20	33.875	33	10.50	4	I-282	60/7				
S206-36L	33.000 - 33.625			34		4						
S206-38	33.625 - 35.000	38.00 - 38.20	35.875	35	10.50	4	I-282	60/7				
S206-38L	35.000 - 35.625			36		4	I-306					
S206-40	35.625 - 37.000	40.00 - 40.20	37.875	37	10.50	4	I-306	60/8				
S206-40L	37.000 - 37.625			38		4						
S206-42	37.625 - 39.000	42.00 - 42.20	39.875	39	10.50	4	I-318	60/8				
S206-42L	39.000 - 39.625			40		4	I-348					
S206-44	39.625 - 41.000	44.00 - 44.20	41.875	41	10.50	4	I-348	72/8				
S206-44L	41.000 - 41.625			42		4						
S206-44L-46	41.000 - 41.625	46.00 - 46.20	41.875	42	10.50	4	I-348	84/8				
S206-46	41.625 - 43.000	46.00 - 46.20	43.875	43	10.50	4	I-348	84/8				
S206-46L	43.000 - 43.625			44		4	I-242					
S206-48	43.625 - 45.000	48.00 - 48.20	45.875	45	10.50	6	I-242	84/8				
S206-48L	45.000 - 45.625			46		6	I-258					
S206-50	45.000 - 45.625	50.00 - 50.25	47.250	46	10.50	6	80667	84/9				
S206-50L	45.625 - 47.000			47		6						
S206-52	47.000 - 47.625	52.00 - 52.25	49.250	48	10.50	6	80667	84/9				
S206-52L	47.625 - 49.000			49		6						
S206-54	49.000 - 49.625	54.00 - 54.25	51.250	50	10.50	6	80667	96/8.5				
S206-54L	49.625 - 51.000			51		6						