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/formed 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.

Recommended Torque Values:

Single Wedge: 75 ft. lbs.

Multiple Wedges: 45 - 75 ft. lbs.

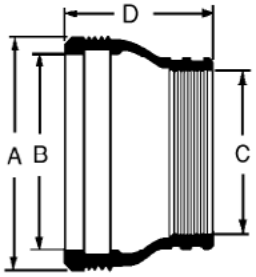
Note: Multiple Wedges should be tightened incrementally to at least 45 foot pounds. Higher torque can be applied to one or more wedges since the wedges apply force linearly. Torque values can be different on each wedge.

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.



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SIZING CHART

P/N	Suggested Pipe O.D. Range (inches)	Hole Size Range (inches)	Connector Dimension (inches)			Pipe Clamps		Minimum Manhole Size Required (inches)
		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 S206-20L	15.625 - 17.000 17.000 -17.625	19.98 - 20.13	17.875	17 18	10.50	2 2	I-282 I-306	48/4
S206-22 S206-22L	17.625 - 19.000 19.000 -19.625	21.98 - 22.13	19.875	19 20	10.50	2 2	I-318 I-348	48/4
*S206-24A	18.000 - 19.500	23.98 - 24.13	21.875	18.75	10	4	I-180	48/5
S206-24 S206-24L	19.625 - 21.000 21.000 - 21.625	23.98 - 24.13	21.875	21 22	10.50	4 4	I-180	48/5
S206-26 S206-26L	21.625 - 23.000 23.000 - 23.625	26.00 - 26.20	23.875	23 24	10.50	4 4	I-190 I-218	48/5
S206-28 S206-28L	23.625 - 25.000 25.000 - 25.625	28.00 - 28.20	25.875	25 26	10.50	4 4	I-218	48/6
S206-30 S206-30L	25.625 - 27.000 27.000 - 27.625	30.00 - 30.20	27.875	27 28	10.50	4 4	I-218 I-242	48/6
S206-30L-32	27.000 - 27.625	32.00 - 32.20	27,875	28	10,50	4	I-242	60/6
S206-32 S206-32L	27.625 - 29.000 29.000 - 29.625	32.00 - 32.20	29.875	29 30	10.50	4 4	I-242	60/6
S206-34 S206-34L	29.625 - 31.000 31.000 - 31.625	34.00 - 34.20	31.875	31 32	10.50	4 4	I-258	60/6
S206-36 S206-36L	31.625 - 33.000 33.000 - 33.625	36.00 - 36.20	33.875	33 34	10.50	4 4	I-282	60/7
S206-38 S206-38L	33.625 - 35.000 35.000 - 35.625	38.00 - 38.20	35.875	35 36	10.50	4 4	I-282 I-306	60/7
S206-40 S206-40L	35.625 - 37.000 37.000 - 37.625	40.00 - 40.20	37.875	37 38	10.50	4 4	I-306	60/8
S206-42 S206-42L	37.625 - 39.000 39.000 - 39.625	42.00 - 42.20	39.875	39 40	10.50	4 4	I-318 I-348	60/8
S206-44 S206-44L	39.625 - 41.000 41.000 - 41.625	44.00 - 44.20	41.875	41 42	10.50	4 4	I-348	72/8
S206-44L-46	41.000 - 41.625	46.00 - 46.20	41.875	42	10.50	4	I-348	84/8
S206-46 S206-46L	41.625 - 43.000 43.000 - 43.625	46.00 - 46.20	43.875	43 44	10.50	4 4	I-348 I-242	84/8
S206-48 S206-48L	43.625 - 45.000 45.000 - 45.625	48.00 - 48.20	45.875	45 46	10.50	6 6	I-242 I-258	84/8
S206-50 S206-50L	45.000 - 45.625 45.625 - 47.000	50.00 - 50.25	47.250	46 47	10.50	8 8	80803 Power Gear	84/9
S206-52 S206-52L	47.000 -47.625 47.625 - 49.000	52.00 - 52.25	49.250	48 49	10.50	8 8	80803 Power Gear	84/9
S206-54 S206-54L	49.000 -49.625 49.625 - 51.000	54.00 - 54.25	51250	50 51	10.50	8 8	80802 Power Gear	96/8.5

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