



7" & 8" KOR-N-SEAL CONNECTOR

Toggle, Nylon Plastic Wedge & Stainless Steel Wedge

RECOMMENDED INSTALLATION PROCEDURE

CAUTION: DO NOT USE IMPACT WRENCH

Connector Installation for Wedge Korband:

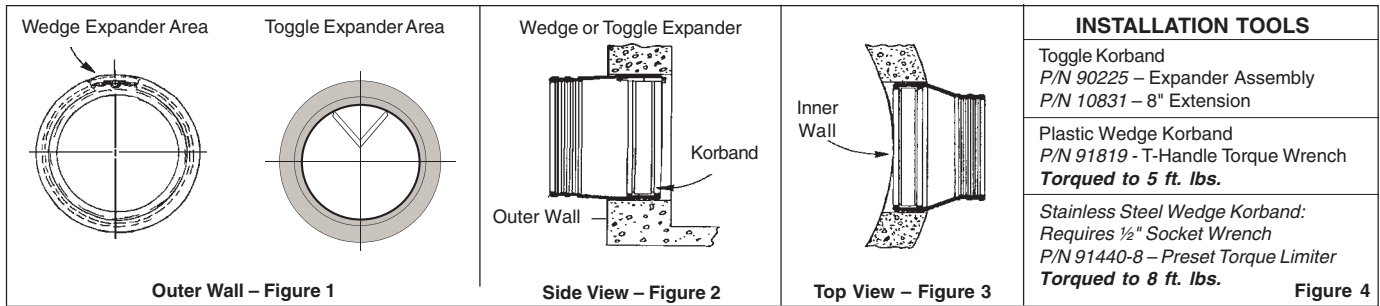
1. Check to be sure Korband is properly located in Connector groove (fig. 1).
2. Insert Connector Assembly into hole with Wedge Expander at top of hole (fig. 2).
3. Position Connector so it is square to manhole both vertically and horizontally (fig. 3).
4. Wedge Expander for 7" & 8" holes should be tightened as follows:
Plastic Wedge — **5 ft. lbs.** [60 in. lbs.]
Stainless Steel Wedge — **8 ft. lbs.** [94 in. lbs.] (fig. 4). Retorquing is not required prior to shipment.

Connector Installation for Toggle Korband:

1. Insert the Korband Expander Assembly (P/N 90225) under the Korband Toggle and rotate the hex rod by hand to ensure that the Expander is properly engaged (fig. 1). (**The 8" Toggle requires an extension (P/N 10831)**)
2. Insert the Connector and Expander into the cored or formed opening from inside the manhole (fig. 2).
3. Using a wrench, rotate the hex rod until the Korband toggle is expanded well past center and is firmly seated against the Connector.

CAUTION:

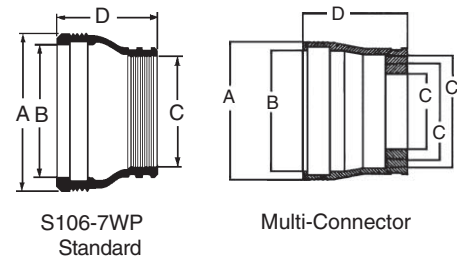
1. All capped stubs awaiting pipe installation at a later date must be restrained.
2. Assure that a proper backfill material is used in adverse conditions.
3. Recommended maximum 2° taper for formed holes. Prior to any critical usage, contact NPC Customer Service 800-626-2180.



Pipe Installation for Wedge or Toggle:

1. Center pipe in Connector opening (if using the Multi-Connector, cut and remove ring(s) for applicable pipe O.D.)
2. On maximum pipe O.D. installations, use a pipe lubricant on the outside barrel of the pipe and/or the inside ridges of the Connector (under the Pipe Clamp area) to allow the pipe to slide into place more easily.
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. 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 assure that an even contraction of rubber is maintained throughout the clamping area.
6. After the Pipe Clamp has been tightened down firmly, move the pipe horizontally and/or vertically to bring it to grade.
Caution: Pipe must **NOT** rest on Connector Korband.

P/N	Pipe O.D. Range (Inches)	Hole Size Range (Inches)	Connector Dimensions Inches				Pipe Clamp P/N
			A	B	C	D	
*S106-7SWP *S106-7SWS *S106-7ST	1.8 - 4.8	6.995 - 7.055	6.125	1.9 2.4 2.9 3.5 4.8	6	I-128	
S106-7WP S106-7WS S106-7T	3.50 - 4.50	6.995 - 7.055	6.125	4.5	6	I-80	
*S106-8SWP *S106-8SWS *S106-8ST	4.2 - 6.4	7.995 - 8.055	7.125	4.3 5.5 6.4	6	I-128	
*S106-8MWP *S106-8MWS	1.7 - 4.8	7.995 - 8.055	6.83	2.25 3.59 4.68	6.37	I-80	



IN THE MODEL NUMBERS:

- "T" designates Toggle "V" Style
- "WP" designates Plastic Wedge Style
- "WS" designates Steel Wedge Style

The number(s) after the dash indicates the hole size required (S106-7WS)

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* Recommended maximum 10 feet of head pressure.