

Design Assumptions for
Nebraska Base Drawing NE100-20-001
Polyethylene Diaphragm for 4" to 24" Dia. Pipe

Revised: 7/01 Replaces: 5001-24

This collar can be used on PVC, corrugated and smooth plastic, smooth steel and galvanized tubes.

Instructions for
NE Base Drawing NE100-20-001
Polyethelene Diaphragm for 4" to 24" Dia. Pipe

Fill in the following data fields to automatically fill in the necessary data fields on the drawing.

Title block

Title line(s)

Subtitle line

County, State

Sheet number of

Who / When

Designed

Drawn

Checked

Other Data

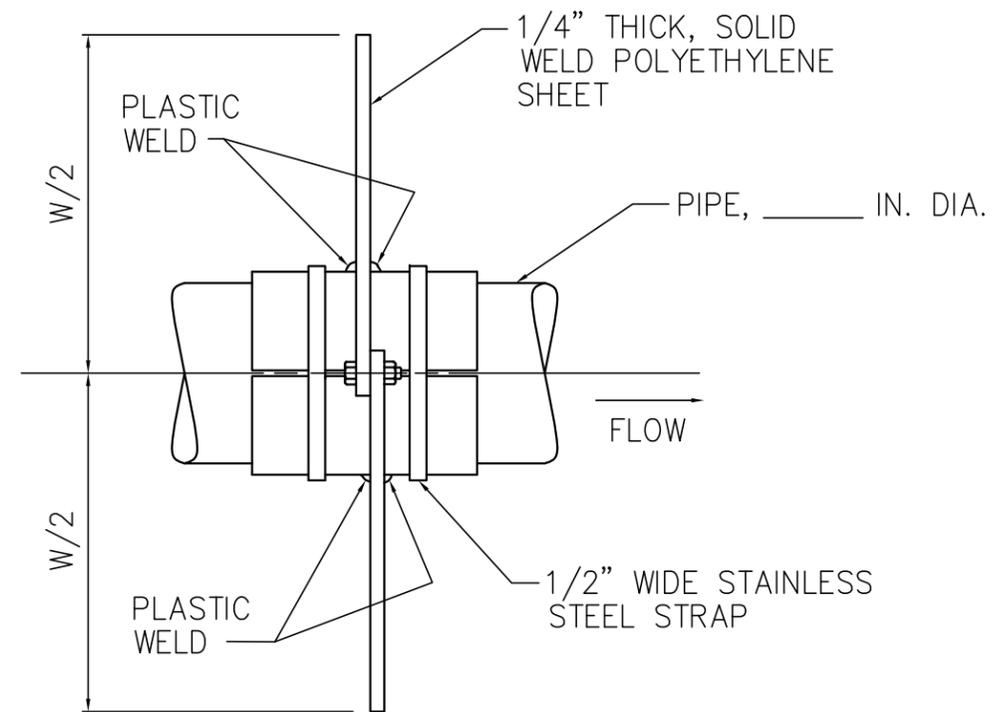
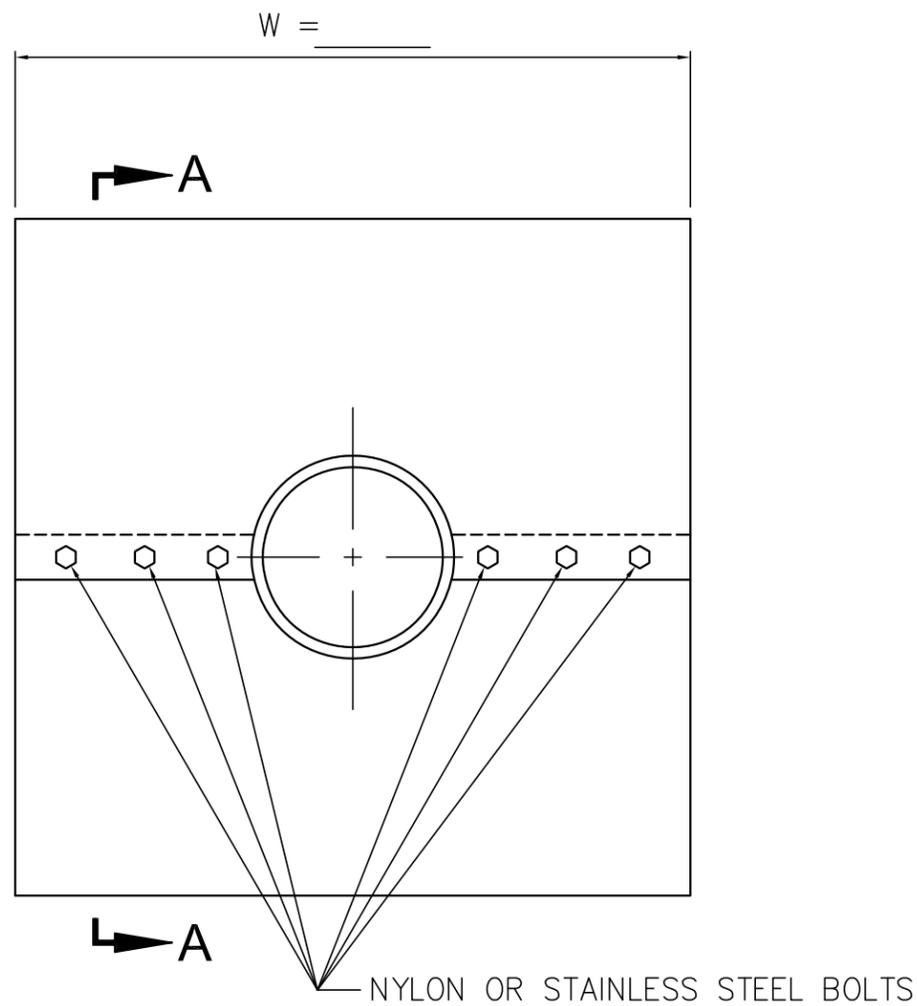
Width of Diaphragm (ft.)

(Enter 4 for 4" to 15" dia. pipe)

(Enter 6 for 18" to 24" dia. pipe)

Pipe Diameter

Number of Anti-seep Collars Required



SECTION A-A

NOTES:

1. PIPE, COLLAR, AND SEAM COATING CAN BE EITHER SILICON CAULK (ASTM C920) (RECOMMENDED), OR MASTIC (ASPHALT OR TAR BASED) (ASTM A849, TROWEL GRADE).
2. APPLY SILICON CAULK OR MASTIC TO COLLAR AND LAY TUBE ON COLLAR. APPLY SILICON CAULK OR MASTIC TO TOP HALF OF COLLAR AND SET IN PLACE LINING UP RED STRIPES AND BOLT HALVES TOGETHER.
3. INSTALL METAL BANDS ON SPLIT HALVES OF COLLAR AND TIGHTEN BOLTS AND BANDS.
4. APPLY SILICON CAULK OR MASTIC ON SEAMS AND AS NEEDED TO INSURE A GOOD SEAL SO THAT COMPLETED INSTALLATION IS WATERTIGHT.
5. BACKFILL AND HAND TAMP SOIL AROUND COMPLETED INSTALLATION.
6. ANTISEEP COLLARS CAN BE USED ON PVC CORRUGATED AND SMOOTH PLASTIC, SMOOTH STEEL AND GALVANIZED TUBES.

TABLE OF QUANTITIES

PIPE DIA. (INCHES)	SHEET SIZE	COLLAR SIZE (INCHES)	NUMBER OF 1/2" BANDS	NUMBER OF 3/8" x 1" BOLTS
4" - 15"	4' x 4'	6"	2	6
18" - 24"	6' x 6'	8"	2	6

_____ ANTI-SEEP COLLARS REQUIRED