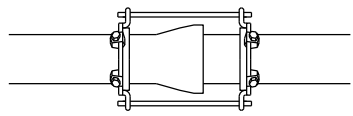
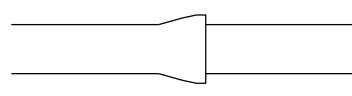


FITTING WITH TIE-RODS AND MEGALUGS

FITTING WITH RESTRAINED JOINT GLAND AND THRUST BLOCK



TIE-RODS FROM RESTRAINED JOINT GLAND TO RESTRAINED JOINT GLAND



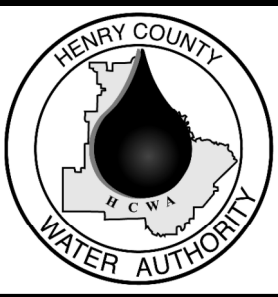
PUSH-ON JOINT WITH RESTRAINED JOINT GASKET

PIPE DIA. (IN)	ROD SIZE (IN)	# OF RODS
6	3/4"	2
8	3/4"	4
10	3/4"	4
12	3/4"	4
14	3/4"	4
16	3/4"	6

TIE-ROD CHART

NOTES:

1. RESTRAINED JOINT LENGTHS SHALL BE CALCULATED BY THE DESIGN ENGINEER. CALCULATIONS SHALL BE SUBMITTED TO HCWA.
2. THREADED ROD SHALL HAVE A MINIMUM YIELD STRENGTH OF 50,000 PSI.



HENRY COUNTY WATER AUTHORITY

THRUST RESTRAINT

REVISED: 02/02/2018

SCALE: N.T.S.

DETAIL NO.

**W13**