

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *

DIP: CL350	PIPE SIZE									
	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
90° BEND	22	29	37	44	52	-	65			
45° BEND	10	12	15	18	21	-	27			
22-1/2° BEND	5	6	7	9	10	-	13			
11-1/4° BEND	3	3	4	4	5	-	6			
PLUG OR BRANCH OF TEE	45	60	44	94	109	-	140			

NOTES:

1. FITTINGS SHALL BE RESTRAINED JOINT TYPE.
2. INSTALL FULL LENGTHS OF PIPE WITH TOTAL LENGTH CONTAINING ONLY RESTRAINED JOINTS EQUAL TO OR GREATER THAN LENGTH SHOWN IN TABLE.
3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
4. IN LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
5. LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, WITH THE FOLLOWING ASSUMPTIONS:
 - * TYPE OF PIPE: _____ DIP
 - * WORKING PRESSURE: _____ P.S.I.
 - * SOIL DESIGNATION: _____
 - * LAYING CONDITIONS: _____
 - * TO BE COMPLETED BY THE ENGINEER
6. FOR HDPE PIPE OR PIPE ENCASED IN POLYETHYLENE, USE VALUES GIVEN IN PARENTHESSES OR INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5.

RESTRAINED PIPE TABLE (DIP)