

PIPELINE MECHANICAL JOINT RESTRAINT DATA

150psi WORKING PRESSURE

200psi WORKING PRESSURE

TYPE OF PIPE	PIPE SIZE	150psi WORKING PRESSURE								200psi WORKING PRESSURE								PIPE SIZE	TYPE OF PIPE
		TEE	90° BEND	45° BEND, HORZ	22-1/2° BEND, HORZ	11-1/4° BEND, HORZ	45° BEND, VERT	22-1/2° BEND, VERT	11-1/4° BEND, VERT	TEE	90° BEND	45° BEND, HORZ	22-1/2° BEND, HORZ	11-1/4° BEND, HORZ	45° BEND, VERT	22-1/2° BEND, VERT	11-1/4° BEND, VERT		
PVC PIPE	4"	32	51	21	11	5	38	19	10	50	61	26	13	6	46	22	11	4"	PVC PIPE
	6"	67	71	30	15	7	54	26	13	92	85	36	17	9	64	31	16	6"	
	8"	105	93	39	19	10	70	34	17	137	111	46	23	11	84	41	20	8"	
	10"	136	110	46	22	11	84	41	20	175	132	55	27	13	101	49	24	10"	
	12"	170	129	54	26	13	99	48	24	215	155	64	31	16	119	57	29	12"	
	14"	200	146	61	30	15	113	54	27	252	176	73	35	18	135	65	33	14"	
	16"	232	164	68	33	17	127	61	31	290	197	82	40	20	152	73	37	16"	

MINIMUM DISTANCE, ("L", FEET) JOINTS REQUIRED TO BE RESTRAINED BEYOND FITTING

MEGALUG PIPE JOINT RESTRAINT OR APPROVED EQUAL

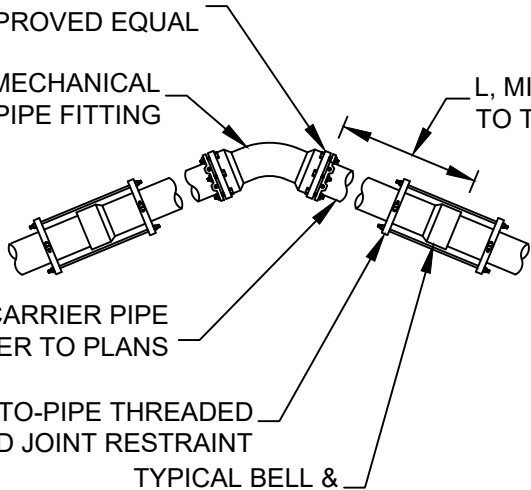
DUCTILE IRON MECHANICAL JOINT PIPE FITTING

L, MIN - REFER TO TABLE

PVC CARRIER PIPE AS REQ'D - REFER TO PLANS

PIPE-TO-PIPE THREADED ROD JOINT RESTRAINT

TYPICAL BELL & SPIGOT PIPE JOINT



1. CONTRACTOR MAY ELECT TO USE MECHANICALLY RESTRAINED JOINTS WITHOUT CONCRETE THRUST BLOCKS IN LOCATIONS WITH 150psi AND 200psi WORKING PRESSURES.
2. PIPE SHALL BE RESTRAINED TO FITTING USING MEGALUG OR APPROVED EQUAL JOINT RESTRAINTS.
3. ALL PIPE JOINTS FOR A DISTANCE, "L" FEET BEYOND FITTING SHALL BE RESTRAINED. REFER TO TABLE FOR APPROPRIATE FITTING TYPE AND LENGTH.
4. CONCRETE THRUST BLOCKS REQUIRED FOR ALL LOCATIONS WITH WORKING PRESSURES OF 250psi AND HIGHER.



MECHANICAL JOINT RESTRAINT TABLE FOR PVC PIPES

EFFECTIVE
05/2023

DETAIL NO.
104