

FITTING	4"	6"	8"	10"	12"
TEE	48	68	90	106	125
PLUG	48	68	139	106	125
11.25" BEND (HORZ.)	2	3	4	4	5
22.5" BEND (HORZ.)	4	6	8	9	11
45° BEND (HORZ.)	9	12	16	19	22
45° BEND (VERT. UPPER.)	20	28	37	44	52
45° BEND (VERT. LOW.)	4	6	8	10	12
90° BEND (HORZ.)	21	29	45		
6"x4" REDUCER		35			
6"x4" REDUCER			64		
10"x4" REDUCER				86	
12"x4" REDUCER					108
8"x6" REDUCER			37		
10"x6" REDUCER				65	
12"x6" REDUCER					91
10"x8" REDUCER				35	
12"x8" REDUCER					66
12"x10" REDUCER					61

FITTING	4"	6"	8"	10"	12"
TEE	72	102	136	160	188
PLUG	75	106	139	166	196
11.25" BEND (HORZ.)	2	3	4	5	6
22.5" BEND (HORZ.)	5	7	9	11	12
45° BEND (HORZ.)	10	14	19	22	26
45° BEND (VERT. UPPER.)	31	44	57	69	81
45° BEND (VERT. LOW.)	5	7	10	12	14
90° BEND (HORZ.)	25	35	45		
6"x4" REDUCER		55		53	63
6"x4" REDUCER			100		
10"x4" REDUCER				135	
12"x4" REDUCER					170
8"x6" REDUCER			58		
10"x6" REDUCER				102	
12"x6" REDUCER					143
10"x8" REDUCER				56	
12"x8" REDUCER					104
12"x10" REDUCER					96

1. SAND-SILT SOIL (COHESIONLESS SOIL WITH 30° INTERNAL FRICTION ANGLE, PIPE FRICTION/SOIL FRICTION RATIO = 0.75, SOIL DENSITY 100 PCF).
2. PIPE LAYING CONDITION 5 (NO SELECT BEDDING OR BACKFILL). c) 150 PSI DESIGN PRESSURE. FOR 200 PSI DESIGN PRESSURE (FIRE LINES), INCREASE RESTRAINED LENGTH BY 35%.
3. 3 FOOT MINIMUM COVER ON THE PIPE.
4. ALL RESTRAINED JOINT LENGTHS IN FEET.

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5. ALL RESTRAINED JOINT LENGTHS IN FEET.

RESTRAINED JOINT PIPE LENGTHS DUCTILE IRON PIPE

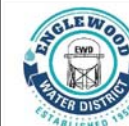
N.T.S.

RESTRAINED JOINT PIPE LENGTHS C900 PVC PIPE

N.T.S.

LAST REVISION	NOV. 2017
CHECKED	KRL
APPROVED	PZ

RESTRAINED JOINTS



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