

PIPE SIZE (IN)	FITTING	RESTRAINED LENGTH (FEET)
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20	90 Bend	51
20	45 Bend	21
20	22.5 Bend	10
20	20x20 Tee	94
20	20x16 Tee	72
20	20x12 Tee	46
20	20x10 Tee	31
20	20x8 Tee	14
20	20x6 Tee	0
20	20x16 Reducer	38
20	Dead End	108
16	90 Bend	42
16	45 Bend	17
16	22.5 Bend	8
16	16x16 Tee	75
16	16x12 Tee	51
16	16x10 Tee	37
16	16x8 Tee	21
16	16x6 Tee	2
16	16x12 Reducer	38
16	16x10 Reducer	53
16	16x8 Reducer	65
16	16x6 Reducer	75
16	Dead End	89
12	90 Bend	33
12	45 Bend	14
12	22.5 Bend	6
12	12x12 Tee	55
12	12x10 Tee	43
12	12x8 Tee	28
12	12x6 Tee	11
12	12x8 Reducer	36
12	12x10 Reducer	20
12	12x6 Reducer	50
12	Dead End	69
10	90 Bend	28
10	45 Bend	12
10	22.5 Bend	6
10	10x10 Tee	45
10	10x8 Tee	32
10	10x6 Tee	15
10	10x8 Reducer	20
10	10x6 Reducer	36
10	Dead End	58
8	90 Bend	23
8	45 Bend	10
8	22.5	5
8	8x8 Tee	35
8	8x6 Tee	20
8	8x6 Reducer	20
8	dead End	48

NOTE:

RESTRAINT IS BOTH WAYS OF FITTING AND APPLIES TO BOTH MECHANICAL JOINT AND RODS AND CLAMPS.

## RESTRAINT JOINT TABLE

NOT TO SCALE