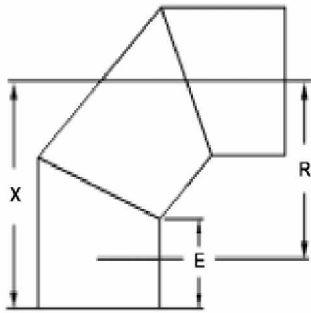




**INDEPENDENT  
PIPE PRODUCTS**



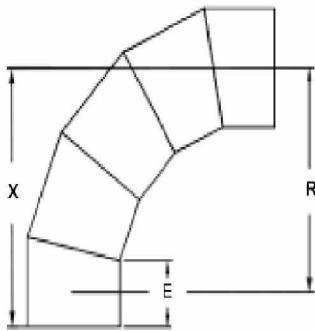
**DIPS 90°  
3 Segment Elbows  
Fabricated (1/4 Bend)**

(Dimensions in Inches)

DIPS Size	R/D Ratio	R	X	E	SDR	WPR	Weight (lbs)
4"	1.5	7.2	11.2	6.0	9	160	8
					11	128	6
					17	80	4
6"	1.5	10.4	13.5	6.0	9	160	16
					11	128	13
					17	80	9
8"	1.25	11.3	15.0	6.5	9	160	27
					11	128	24
					17	80	17
10"	1.25	13.9	16.9	6.5	9	160	44
					11	128	37
					17	80	26
12"	1.25	16.5	20.4	8.0	9	160	75
					11	128	62
					17	80	44
14"	1.05	16.1	20.6	8.0	9	160	103
					11	128	85
					17	80	58
16"	1.05	18.3	22.3	8.0	9	160	141
					11	128	119
					17	80	78
18"	1.02	19.9	23.7	8.0	9	160	187
					11	128	155
					17	80	104
20"	1.02	22.0	25.4	8.0	9	160	239
					11	128	206
					17	80	137
24"	1.02	26.3	28.8	8.0	9	160	378
					11	128	321
					17	80	215
30"	1.50	48.0	44.7	10.0	11	128	731
					17	80	492



**INDEPENDENT  
PIPE PRODUCTS**



**DIPS 90°  
5 Segment Elbow  
Fabricated (1/4 Bend)**

(Dimensions in Inches)

DIPS Size	R/D Ratio	R	X	E	SDR	WPR	Weight (lbs)
4"	2.9	14.0	17.7	6.0	9	160	11
					11	128	9
					17	80	5
6"	2.2	15.0	18.7	6.0	9	160	21
					11	128	17
					17	80	12
8"	1.8	16.2	20.4	6.5	9	160	35
					11	128	32
					17	80	25
10"	1.6	17.2	21.4	6.5	9	160	56
					11	128	47
					17	80	33
12"	1.5	19.8	25.2	8.0	9	160	94
					11	128	78
					17	80	55
14"	1.5	23.0	28.0	8.0	9	160	134
					11	128	114
					17	80	76
16"	1.5	26.1	30.6	8.0	9	160	187
					11	128	161
					17	80	106
18"	1.5	29.3	33.4	8.0	9	160	256
					11	128	211
					17	80	142
20"	1.5	32.4	36.1	8.0	9	160	328
					11	128	276
					17	80	187
24"	1.5	38.7	41.6	8.0	9	160	531
					11	128	449
					17	80	301
30"	1.5	48.0	51.6	10.0	11	128	847
					17	80	570