

## Reducing Tees and Crosses (Continued)

Nominal Pipe Size	Outside Diameter						
	Run		Outlet	D	M		
	12	X 12	X 10	10	9 1/2		
			X 8	10	9		
			X 6	10	8 5/8		
			X 5	10	8 1/2		
12	X 12	X 10	12 3/4	X 12 3/4	X 10 3/4	10	9 1/2
		X 8		X 8 5/8	10	9	
		X 6		X 6 5/8	10	8 5/8	
		X 5		X 5 9/16	10	8 1/2	
			14	X 14	X 12	11	10 5/8
					X 10	11	10 1/8
					X 8	11	9 3/4
					X 6	11	9 3/8
14	X 14	X 12	14	X 14	X 12 3/4	11	10 5/8
		X 10			X 10 3/4	11	10 1/8
		X 8			X 8 5/8	11	9 3/4
		X 6			X 6 5/8	11	9 3/8
			16	X 16	X 14	12	12
					X 12	12	11 5/8
					X 10	12	11 7/8
					X 8	12	10 3/4
					X 6	12	10 3/8
16	X 16	X 12	16	X 16	X 12 3/4	12	11 5/8
		X 10			X 10 3/4	12	11 1/8
		X 8			X 8 5/8	12	10 3/4
		X 6			X 6 5/8	12	10 3/8
			18	X 18	X 16	13 1/2	13
					X 14	13 1/2	13
					X 12	13 1/2	12 5/8
					X 10	13 1/2	12 1/8
					X 8	13 1/2	11 3/4
18	X 18	X 12	18	X 18	X 12 3/4	13 1/2	12 5/8
		X 10			X 10 3/4	13 1/2	12 1/8
		X 8			X 8 5/8	13 1/2	11 3/4

Nominal Pipe Size	Outside Diameter						
	Run		Outlet	D	M		
	20	X 20	X 18	15	14 1/2		
			X 16	15	14		
			X 14	15	14		
			X 12	15	13 5/8		
			X 10	15	13 1/8		
20	X 20	X 12	20	X 20	X 12 3/4	15	13 5/8
		X 10			X 10 3/4	15	13 1/8
			22	X 22	X 20	16 1/2	16
					X 18	16 1/2	15 1/2
					X 16	16 1/2	15
					X 14	16 1/2	15
					X 12	16 1/2	14 5/8
22	X 22	X 12	22	X 22	X 12 3/4	16 1/2	14 5/8
			24	X 24	X 22	17	17
					X 20	17	17
					X 18	17	16 1/2
					X 16	17	16
					X 14	17	16
			30	X 30	X 24	22	21
					X 22	22	20 1/2
					X 20	22	20
					X 18	22	19 1/2
					X 16	22	19
			36	X 36	X 30	26 1/2	25
					X 24	26 1/2	24
					X 20	26 1/2	23
					X 18	26 1/2	22 1/2
			42	X 42	X 36	30	28
					X 30	30	28
					X 24	30	26
					X 20	30	26

Note: Under ANSI B16.9, for sizes 26" and larger, outlet dimension "M" is recommended but not mandatory. Dimensions are in inches.

Alloys: pg. 56, 57 Wall Thicknesses: pg. 49, 50 Tolerances: pg. 58 Specifications: 54, 55