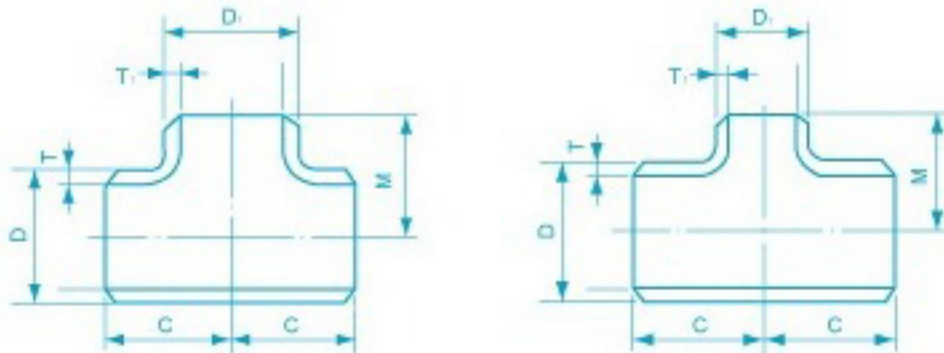


# ASME B16.9

## DIMENSIONS OF EQUAL AND REDUCING TEES

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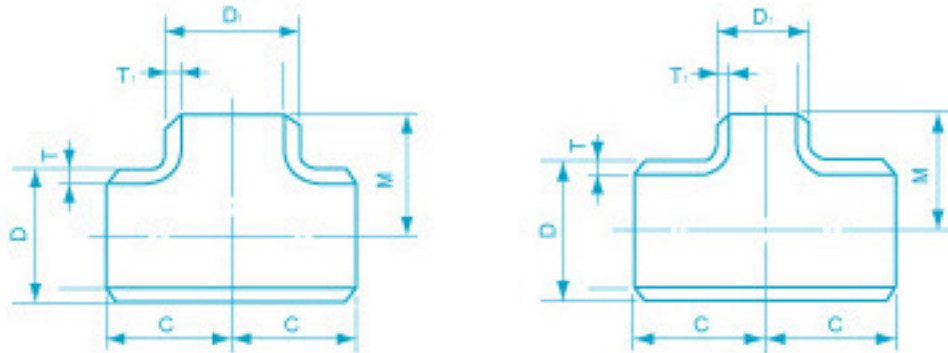
Nominal Pipe Size (NPS)	Outside Diameter at Bevel		Center - to - End		Nominal Pipe Size (NPS)	Outside Diameter at Bevel		Center - to - End					
	Run D	Outlet D <sub>1</sub>	Run C	Outlet (1) M		Run D	Outlet D <sub>1</sub>	Run C	Outlet (1) M				
1/2 X 1/2	21.3	21.3	25.4	25.4	2 X 2	60.3	60.3	63.5	63.5				
3/4 X 3/4	26.7	26.7	28.4	28.4	X 1-1/2	48.3	48.3	57.2	57.2				
		X 1-1/4			42.2					42.2	50.8	50.8	
1 X 1	33.4	21.3	38.1	38.1	X 1	33.4	33.4	44.4	44.4				
		X 3/4			26.7					26.7	50.8	50.8	
		X 1/2			21.3					21.3	57.2	57.2	
1-1/4 X 1-1/4	42.2	42.2	47.8	47.8	2-1/2 X 2-1/2	73.0	73.0	76.2	76.2				
					X 2					60.3	60.3	69.8	69.8
					X 1-1/2					48.3	48.3	67.0	67.0
					X 1-1/4					42.2	42.2	63.5	63.5
1-1/2 X 1-1/2	48.3	48.3	57.2	57.2	X 1	33.4	33.4	44.4	44.4				
					X 3					88.9	88.9	85.9	85.9
					X 2-1/2					73.0	73.0	82.6	82.6
2 X 2	60.3	60.3	63.5	63.5	X 2	60.3	60.3	76.2	76.2				
					X 1-1/2					48.3	48.3	73.2	73.2
					X 1-1/4					42.2	42.2	69.8	69.8
					X 1					33.4	33.4	69.8	69.8
2-1/2 X 2-1/2	73.0	73.0	76.2	76.2	X 4	114.3	114.3	104.6	104.6				
					X 3-1/2					101.6	101.6	101.6	101.6
					X 3					88.9	88.9	98.6	98.6
					X 2-1/2					73.0	73.0	95.2	95.2
					X 2					60.3	60.3	88.9	88.9
3 X 3	88.9	88.9	95.2	95.2	X 1-1/2	48.3	48.3	57.2	57.2				
					X 1-1/4					42.2	42.2	57.2	57.2
					X 1					33.5	33.5	57.2	57.2
					X 5					141.3	141.3	124.0	124.0
					X 4					114.3	114.3	117.3	117.3
3-1/2 X 3-1/2	101.6	101.6	104.6	104.6	X 3-1/2	101.6	101.6	114.3	114.3				
					X 3					88.9	88.9	111.3	111.3
					X 2-1/2					73.0	73.0	108.0	108.0
					X 2					60.3	60.3	104.6	104.6

### GENERAL NOTES:

All dimensions are in millimeters.

# ASME B16.9

## DIMENSIONS OF EQUAL AND REDUCING TEES



	Nominal Pipe Size (NPS)		Outside Diameter at Bevel		Center - to - End		Nominal Pipe Size (NPS)		Outside Diameter at Bevel		Center - to - End		
			Run D	Outlet D <sub>1</sub>	Run C	Outlet (1) M			Run D	Outlet D <sub>1</sub>	Run C	Outlet (1) M	
6	X	6	168.3	168.3	142.7	142.7	16	X	16	406.4	406.4	304.8	304.8
	X	5		141.3		136.7		X	14		355.6		304.8
	X	4		114.3		130.0		X	12		323.9		295.1
	X	3-1/2		101.6		127.0		X	10		273.1		282.4
	X	3		88.9		124.0		X	8		219.1		273.0
	X	2-1/2		73.0		120.6		X	6		168.3		263.7
	X	2		60.3		121.0							
8	X	8	219.1	219.1	177.8	177.8	18	X	18	457.2	457.2	342.9	342.9
	X	6		168.3		168.1		X	16		406.4		330.2
	X	5		141.3		162.1		X	14		355.6		330.2
	X	4		114.3		155.4		X	12		323.9		320.5
	X	3-1/2		101.6		152.4		X	10		273.1		307.8
	X	3		88.9		152.0		X	8		219.1		298.4
10	X	10	273.1	273.1	215.9	215.9	20	X	20	508.0	508.0	381.0	381.0
	X	8		219.1		203.2		X	18		457.2		369.3
	X	6		168.3		193.5		X	16		406.4		355.6
	X	5		141.3		190.5		X	14		355.6		355.6
	X	4		114.3		184.2		X	12		323.9		345.9
	X	3		88.9		184.2		X	10		273.1		333.2
12	X	12	323.9	323.9	254.0	254.0	22	X	22	558.8	558.8	419.1	419.1
	X	10		273.1		241.3		X	20		508.0		406.4
	X	8		219.1		228.6		X	18		457.2		393.7
	X	6		168.3		218.9		X	16		406.4		381.0
	X	5		141.3		215.9		X	14		355.6		381.0
	X	4		114.3		215.9		X	12		323.8		371.3
14	X	14	355.6	355.6	279.4	279.4	24	X	24	609.6	609.6	431.8	431.8
	X	12		323.9		269.7		X	22		558.8		431.8
	X	10		273.1		257.0		X	20		508.0		431.8
	X	8		219.1		247.6		X	18		457.2		419.1
	X	6		168.3		238.3		X	16		406.4		406.4
	X	5		141.3		215.9		X	14		355.6		406.4
	X	4		114.3		215.9		X	12		323.9		396.7
	X	3		88.9		215.9		X	10		273.1		384.0

### GENERAL NOTES:

All dimensions are in millimeters.