

AVR Foundry & Engg. Works

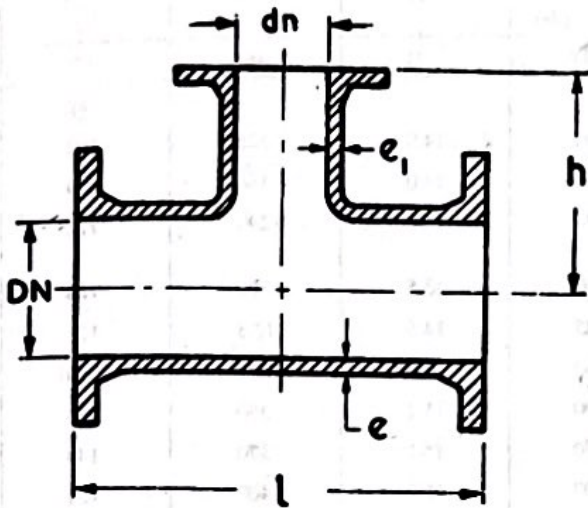
G, H Road, Datta;

IS 1538 : 1993

Table 24 All Flanged Tees

(Clauses 9.1 and 11.1)

All dimensions in millimetres.



$$l = \begin{cases} DN & 80 \text{ to } 300 = 200 + 2 DN \\ DN & 350 \text{ to } 1500 = 500 + DN \end{cases}$$

$$h = \begin{cases} DN & 80 \text{ to } 300 \begin{cases} dn \leq DN = 100 + DN \\ dn < DN = 100 + 0.5 DN + 0.5 dn \end{cases} \\ DN & 350 \text{ to } 1000 \begin{cases} dn \leq 250 = 150 + 0.5 DN \\ dn \geq 300 = 250 + 0.5 DN \end{cases} \\ DN & 1000 \text{ to } 1500 \begin{cases} dn \leq 1000 = 250 + 0.5 DN \\ dn \geq 1100 = 50 + 0.5 DN + 0.2 dn \end{cases} \end{cases}$$

$$e = \frac{14}{12} (7 + 0.02 DN)$$

Body			Branch			Mass (Approx)
Nominal Diameter (DN)	e	l	Nominal Diameter (dn)	e ₁	h	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
						kg
80	10.0	360	80	10.0	180	21
100	10.5	400	80	10.5	190	25
	10.5	400	100	10.5	200	26
125	11.1	450	80	11.1	202.5	32
	11.1	450	100	11.1	212.5	34
	11.1	450	125	11.1	225	36
150	11.7	500	80	11.7	215	41
	11.7	500	100	11.7	225	42
	11.7	500	125	11.7	237.5	45
	11.7	500	150	11.7	250	47
200	12.8	600	80	12.8	240	62
	12.8	600	100	12.8	250	63
	12.8	600	125	12.8	262.5	66
	12.8	600	150	12.8	275	68
	12.8	600	200	12.8	300	74
250	14.0	700	80	13.0	265	89
	14.0	700	100	13.5	275	90
	14.0	700	125	14.0	287.5	93
	14.0	700	150	14.0	300	96

Table 24 (continued)

Body			Branch			Mass (Approx)
Nominal Diameter (DN)	<i>e</i>	<i>l</i>	Nominal Diameter (<i>dn</i>)	<i>e</i> ₁	<i>h</i>	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
300	14.0	700	200	14.0	325	102
	14.0	700	250	14.0	350	109
	15.2	800	80	13.0	290	122

