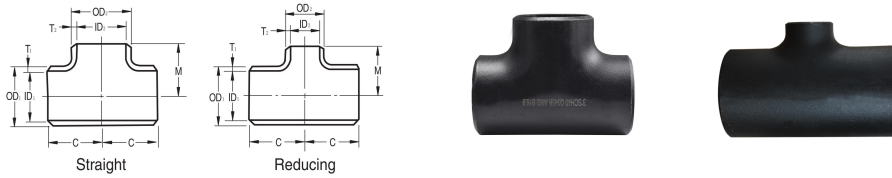


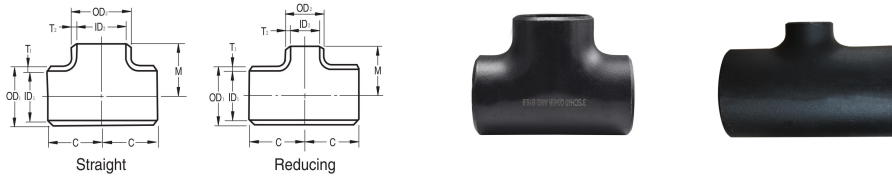
Tee-01



unit:mm

Nominal Pipe Size	Outside Diameter		Center to End		Wall Thickness T							
					SCH40		SCH80		SCH120		SCH160	
	OD1	OD2	C	M	T1	T2	T1	T2	T1	T2	T1	T2
15	21.7	21.7	25.4	25.4	2.8	2.8	3.7	3.7	-	-	-	-
20	27.2	27.2	28.6	28.6	2.9	2.9	3.9	3.9	-	-	-	-
20X20X15	27.2	27.2	28.6	28.6	2.9	2.8	3.9	3.7	-	-	-	-
25	34.0	34.0	38.1	38.1	3.4	3.4	4.5	4.5	-	-	-	-
25X25X20	34.0	27.2	38.1	38.1	3.4	2.9	4.5	3.9	-	-	-	-
25X25X15	34.0	21.7	38.1	38.1	3.4	2.8	4.5	3.7	-	-	-	-
32	42.7	42.7	47.6	47.6	3.6	3.6	4.9	4.9	-	-	-	-
32X32X25	42.7	34.0	47.6	47.6	3.6	3.4	4.9	4.5	-	-	-	-
32X32X20	42.7	27.2	47.6	47.6	3.6	2.9	4.9	3.9	-	-	-	-
40	48.6	48.6	57.2	57.2	3.7	3.7	5.1	5.1	-	-	7.1	7.1
40X40X32	48.6	42.7	57.2	57.2	3.7	3.6	5.1	4.9	-	-	-	-
40X40X25	48.6	34.0	57.2	57.2	3.7	3.4	5.1	4.5	-	-	-	-
40X40X20	48.6	27.2	57.2	57.2	3.7	2.9	5.1	3.9	-	-	-	-
50	60.5	60.5	63.5	63.5	3.9	3.9	5.5	5.5	-	-	8.7	8.7
50X50X40	60.5	48.6	63.5	60.3	3.9	3.7	5.5	5.1	-	-	8.7	7.1
50X50X32	60.5	42.7	63.5	57.2	3.9	3.6	5.5	4.9	-	-	-	-
50X50X25	60.5	34.0	63.5	50.8	3.9	3.4	5.5	4.5	-	-	-	-
65	76.3	76.3	76.2	76.2	5.2	5.2	7.0	7.0	-	-	9.5	9.5
65X65X50	76.3	60.5	76.2	69.9	5.2	3.9	7.0	5.5	-	-	9.5	8.7
65X65X40	76.3	48.6	76.2	66.7	5.2	3.7	7.0	5.1	-	-	9.5	7.1
65X65X32	76.3	42.7	76.2	63.5	5.2	3.6	7.0	4.9	-	-	-	-
80	89.1	89.1	85.7	85.7	5.5	5.5	7.6	7.6	-	-	11.1	11.1
80X80X65	89.1	76.3	85.7	82.6	5.5	5.2	7.6	7.0	-	-	11.1	9.5
80X80X50	89.1	60.5	85.7	76.2	5.5	3.9	7.6	5.5	-	-	11.1	8.7
80X80X40	89.1	48.6	85.7	73.0	5.5	3.7	7.6	5.1	-	-	11.1	7.1

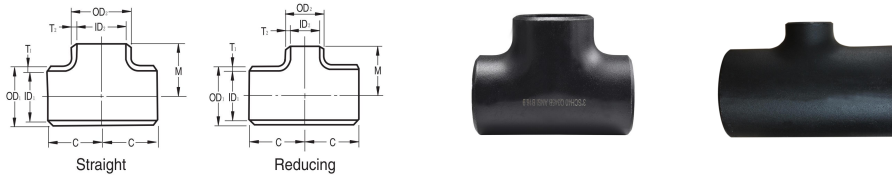
Tee-02



unit:mm

Nominal Pipe Size	Outside Diameter		Center to End		Wall Thickness T							
					SCH40		SCH80		SCH120		SCH160	
	OD1	OD2	C	M	T1	T2	T1	T2	T1	T2	T1	T2
90	101.6	101.6	95.3	95.3	5.7	5.7	8.1	8.1	-	-	12.7	12.7
90X90X80	101.6	89.1	95.3	92.1	5.7	5.5	8.1	7.6	-	-	12.7	11.1
90X90X65	101.6	76.3	95.3	88.9	5.7	5.2	8.1	7.0	-	-	12.7	9.5
90X90X50	101.6	60.5	95.3	82.6	5.7	3.9	8.1	5.5	-	-	12.7	8.7
90X90X40	101.6	48.6	95.3	79.4	5.7	3.7	8.1	5.1	-	-	12.7	7.1
100	114.3	114.3	104.8	104.8	6.0	6	8.6	8.6	-	-	13.5	13.5
100X100X90	114.3	101.6	104.8	101.6	6.0	5.7	8.6	8.1	-	-	13.5	12.7
100X100X80	114.3	89.1	104.8	98.4	6.0	5.5	8.6	7.6	-	-	13.5	11.1
100X100X65	114.3	76.3	104.8	95.3	6.0	5.2	8.6	7.0	-	-	13.5	9.5
100X100X50	114.3	60.5	104.8	88.9	6.0	3.9	8.6	5.5	-	-	13.5	8.7
125	139.8	139.8	123.8	123.8	6.6	6.6	9.5	9.5	12.7	12.7	15.9	15.9
125X125X100	139.8	114.3	123.8	117.5	6.6	6	9.5	8.6	12.7	11.1	15.9	13.5
125X125X90	139.8	101.6	123.8	114.3	6.6	5.7	9.5	8.1	-	-	15.9	12.7
125X125X80	139.8	89.1	123.8	111.1	6.6	5.5	9.5	7.6	-	-	15.9	11.1
125X125X65	139.8	76.3	123.8	108.0	6.6	5.2	9.5	7.0			15.9	9.5
150	165.2	165.2	142.9	142.9	7.1	7.1	11.0	11.0	14.3	14.3	18.2	18.2
150X150X125	165.2	139.8	142.9	136.5	7.1	6.6	11.0	9.5	14.3	12.7	18.2	15.9
150X150X100	165.2	114.3	142.9	130.2	7.1	6	11.0	8.6	14.3	11.1	18.2	13.5
150X150X90	165.2	101.6	142.9	127.0	7.1	5.7	11.0	8.1	-	-	18.2	12.7
150X150X80	165.2	89.1	142.9	123.8	7.1	5.5	11.0	7.6	-	-	18.2	11.1
200	216.3	216.3	177.8	177.8	8.2	8.2	12.7	12.7	18.2	18.2	23.0	23.0
200X200X150	216.3	165.2	177.8	168.3	8.2	7.1	12.7	11.0	18.2	14.3	23.0	18.2
200X200X125	216.3	139.8	177.8	161.9	8.2	6.6	12.7	9.5	18.2	12.7	23.0	15.9
200X200X100	216.3	114.3	177.8	155.6	8.2	6	12.7	8.6	18.2	11.1	23.0	13.5

Tee-03



unit:mm

Nominal Pipe Size	Outside Diameter		Center to End		Wall Thickness T							
					SCH40		SCH80		SCH120		SCH160	
	OD1	OD2	C	M	T1	T2	T1	T2	T1	T2	T1	T2
250	267.4	267.4	215.9	215.9	9.3	9.3	15.1	15.1	21.4	21.4	28.6	28.6
250X250X200	267.4	216.3	215.9	203.2	9.3	8.2	15.1	12.7	21.4	18.2	28.6	23.0
250X250X150	267.4	165.2	215.9	193.7	9.3	7.1	15.1	11.0	21.4	14.3	28.6	18.2
250X250X125	267.4	139.8	215.9	190.5	9.3	6.6	15.1	9.5	21.4	12.7	28.6	15.9
300	318.5	318.5	254.0	254.0	10.3	10.3	17.4	17.4	25.4	25.4	33.3	33.3
300X300X250	318.5	267.4	254.0	241.3	10.3	9.3	17.4	15.1	25.4	21.4	33.3	28.6
300X300X200	318.5	216.3	254.0	228.6	10.3	8.2	17.4	12.7	25.4	18.2	33.3	23.0
300X300X150	318.5	165.2	254.0	219.1	10.3	7.1	17.4	11.0	25.4	14.3	33.3	18.2
350	355.6	355.6	279.4	279.4	11.1	11.1	19.0	19.0	27.8	27.8	35.7	35.7
350X350X300	355.6	318.5	279.4	269.9	11.1	10.3	19.0	17.4	27.8	25.4	35.7	33.3
350X350X250	355.6	267.4	279.4	257.2	11.1	9.3	19.0	15.1	27.8	21.4	35.7	28.6
350X350X200	355.6	216.3	279.4	247.7	11.1	8.2	19.0	12.7	27.8	18.2	35.7	23.0
400	406.4	406.4	304.8	304.8	12.7	12.7	21.4	21.4	30.9	30.9	40.5	40.5
400X400X350	406.4	355.6	304.8	304.8	12.7	11.1	21.4	19.0	30.9	27.8	40.5	35.7
400X400X300	406.4	318.5	304.8	295.3	12.7	10.3	21.4	17.4	30.9	25.4	40.5	33.3
400X400X250	406.4	267.4	304.8	282.6	12.7	9.3	21.4	15.1	30.9	21.4	40.5	28.6
450	457.2	457.2	342.9	342.9	14.3	14.3	23.8	23.8	-	-	-	-
450X450X400	457.2	406.4	342.9	330.2	14.3	12.7	23.8	21.4	-	-	-	-
450X450X350	457.2	355.6	342.9	330.2	14.3	11.1	23.8	19.0	-	-	-	-
450X450X300	457.2	318.5	342.9	320.7	14.3	10.3	23.8	17.4	-	-	-	-
500	508.0	508.0	381.0	381.0	15.1	15.1	26.2	26.2	-	-	-	-
500X500X450	508.0	457.2	381.0	368.0	15.1	14.3	26.2	23.8	-	-	-	-
500X500X400	508.0	406.4	381.0	355.6	15.1	12.7	26.2	21.4	-	-	-	-
500X500X350	508.0	355.6	381.0	355.6	15.1	11.1	26.2	19.0	-	-	-	-