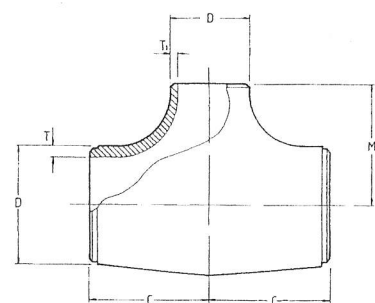


REDUCING OUTLET TEES

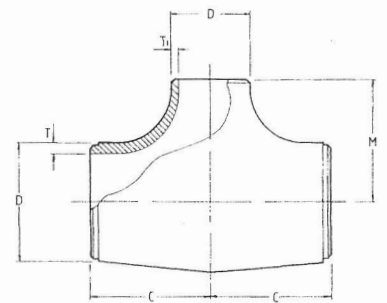
Nominal Pipe Size in.	Outside Diameter m/m		Center to End Run m/m	Center to End Branch m/m	SCH STD		SCH XS		SCH XXS		SCH 10		SCH 20		SCH 30	
					Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg
	D	D ₁	C	M ₍₁₎	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁
¾ x ½	27x 21		29	29	2.87x2.77		3.91x3.73		7.82x 7.47		-		-		-	
1 x ½	33x 21		38	38	3.38x2.77	0.34	4.55x3.73	0.45	9.09x 7.47	0.65	-		-		-	
x ¾	x 27		38	38	x2.87	0.34	x3.91	0.45	x 7.82	0.65	-		-		-	
1¼ x ½	42x 21		48	48	3.56x2.77	0.63	4.85x3.73	0.85	9.70x 7.47	1.18	-		-		-	
x ¾	x 27		48	48	x2.87	0.63	x3.91	0.85	x 7.82	1.18	-		-		-	
x1	x 33		48	48	x3.38	0.63	x4.55	0.85	x 9.09	1.18	-		-		-	
1½ x ½	48x 21		57	57	3.68x2.77	0.92	5.08x3.73	1.27	10.15x 7.47	2.54	-		-		-	
x ¾	x 27		57	57	x2.87	0.92	x3.91	1.27	x 7.82	2.54	-		-		-	
x1	x 33		57	57	x3.38	0.92	x4.55	1.27	x 9.09	2.54	-		-		-	
x1¼	x 42		57	57	x3.56	0.92	x4.85	1.27	x 9.70	2.54	-		-		-	
2 x ¾	60x 27		64	44	3.91x2.87	1.49	5.54x3.91	2.15	11.07x 7.82	4.00	-		-		-	
x1	x 33		64	51	x3.38	1.49	x4.55	2.15	x 9.09	4.00	-		-		-	
x1¼	x 42		64	57	x3.56	1.49	x4.85	2.15	x 9.70	4.00	-		-		-	
x1½	x 48		64	60	x3.68	1.49	x5.08	2.15	x10.15	4.00	-		-		-	
2½ x1	73x 33		76	57	5.16x3.38	2.68	7.01x4.55	3.00	14.02x 9.09	4.00	-		-		-	
x1¼	x 42		76	64	x3.56	2.68	x4.85	3.00	x 9.70	4.15	-		-		-	
x1½	x 48		76	67	x3.68	2.68	x5.08	3.00	x10.15	4.20	-		-		-	
x2	x 60		76	70	x3.91	2.68	x5.54	3.00	x11.07	4.20	-		-		-	
3 x1¼	89x 42		86	70	5.49x3.56	3.75	7.62x4.85	4.29	15.24x 9.70	6.25	-		-		-	
x1½	x 48		86	73	x3.68	3.75	x5.08	4.29	x10.15	6.30	-		-		-	
x2	x 60		86	76	x3.91	3.75	x5.54	4.29	x11.07	6.35	-		-		-	
x2½	x 73		86	83	x5.16	3.75	x7.01	4.29	x14.02	6.60	-		-		-	
3½ x1½	102x 48		95	79	5.74x3.68	5.00	8.08x5.08	6.15	-	-	-		-		-	
x2	x 60		95	83	x3.91	5.00	x5.54	6.15	-	-	-		-		-	
x2½	x 73		95	89	x5.16	5.00	x7.01	6.15	-	-	-		-		-	
x3	x 89		95	92	x5.49	5.00	x7.62	6.15	-	-	-		-		-	
4 x1½	114x 48		105	86	6.02x3.68	6.50	8.56x5.08	7.65	17.12x10.15	14.50	-		-		-	
x2	x 60		105	89	x3.91	6.50	x5.54	7.65	x11.07	14.50	-		-		-	
x2½	x 73		105	95	x5.16	6.50	x7.01	7.65	x14.02	14.50	-		-		-	
x3	x 89		105	98	x5.49	6.50	x7.62	7.65	x15.24	14.50	-		-		-	
x3½	x102		105	102	x5.74	6.50	x8.08	7.65	-	-	-		-		-	
5 x2	141x 60		124	105	6.55x3.91	10.00	9.53x5.54	13.50	19.05x11.07	27.16	-		-		-	
x2½	x 73		124	108	x5.16	10.00	x7.01	13.50	x14.02	27.16	-		-		-	
x3	x 89		124	111	x5.49	10.00	x7.62	13.50	x15.24	27.71	-		-		-	
x3½	x102		124	114	x5.74	10.00	x8.08	13.50	-	-	-		-		-	
x4	x114		124	117	x6.02	10.00	x8.56	13.50	x17.12	28.84	-		-		-	
6 x2½	168x 73		143	121	7.11x5.16	14.00	10.97x7.01	19.30	21.95x14.02	37.25	-		-		-	
x3	x 89		143	124	x5.49	14.00	x7.62	19.30	x15.24	37.25	-		-		-	
x3½	x102		143	127	x5.74	14.00	x8.08	19.30	-	-	-		-		-	
x4	x114		143	130	x6.02	14.00	x8.56	19.30	x17.12	37.25	-		-		-	
x5	x141		143	137	x6.55	16.00	x9.53	19.30	x19.05	47.48	-		-		-	



Nominal Pipe Size in.	SCH 40		SCH 60		SCH 80		SCH 100		SCH 120		SCH 140		SCH 160	
	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg
	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁
3/4x 1/2	2.87x2.77		—		3.91x3.73		—		—		—		5.56x 4.78	
1x 1/2	3.38x2.77	0.34	—		4.55x3.73	0.45	—		—		—		6.35x 4.78	0.47
x 3/4	x2.87	0.34	—		x3.91	0.45	—		—		—		x 5.56	0.47
1 1/4x 1/2	3.56x2.77	0.63	—		4.85x3.73	0.85	—		—		—		6.35x 4.78	1.00
x 3/4	x2.87	0.63	—		x3.91	0.85	—		—		—		x 5.56	1.00
x1	x3.38	0.63	—		x4.55	0.85	—		—		—		x 6.35	1.00
1 1/2x 1/2	3.68x2.77	0.92	—		5.08x3.73	1.27	—		—		—		7.14x 4.78	1.79
x 3/4	x2.87	0.92	—		x3.91	1.27	—		—		—		x 5.56	1.79
x1	x3.38	0.92	—		x4.55	1.27	—		—		—		x 6.35	1.79
x1 1/4	x3.56	0.92	—		x4.85	1.27	—		—		—		x 6.35	1.79
2x 3/4	3.91x2.87	1.49	—		5.54x3.91	2.15	—		—		—		8.74x 5.56	3.18
x1	x3.38	1.49	—		x4.55	2.15	—		—		—		x 6.35	3.18
x1 1/4	x3.56	1.49	—		x4.85	2.15	—		—		—		x 6.35	3.18
x1 1/2	x3.68	1.49	—		x5.08	2.15	—		—		—		x 7.14	3.18
2 1/2x1	5.16x3.38	2.68	—		7.01x4.55	3.00	—		—		—		9.53x 6.35	3.58
x1 1/4	x3.56	2.68	—		x4.85	3.00	—		—		—		x 6.35	3.58
x1 1/2	x3.68	2.68	—		x5.08	3.00	—		—		—		x 7.14	3.85
x2	x3.91	2.68	—		x5.54	3.00	—		—		—		x 8.74	3.85
3x1 1/4	5.49x3.75	3.75	—		7.62x4.85	4.29	—		—		—		11.13x 6.35	5.65
x1 1/2	x3.68	3.75	—		x5.08	4.29	—		—		—		x 7.14	5.75
x2	x3.91	3.75	—		x5.54	4.29	—		—		—		x 8.74	5.85
x2 1/2	x5.16	3.75	—		x7.01	4.29	—		—		—		x 9.53	6.13
3 1/2x1 1/2	5.74x3.68	5.00	—		8.80x5.08	6.15	—		—		—		—	
x2	x3.91	5.00	—		x5.54	6.15	—		—		—		—	
x2 1/2	x5.16	5.00	—		x7.01	6.15	—		—		—		—	
x3	x5.49	5.00	—		x7.62	6.15	—		—		—		—	
4x1 1/2	6.02x3.68	6.50	—		8.56x5.08	7.65	—		—		—		13.49x 7.14	10.75
x2	x3.91	6.50	—		x5.54	7.65	—		—		—		x 8.74	10.75
x2 1/2	x5.16	6.50	—		x7.01	7.65	—		—		—		x 9.53	10.75
x3	x5.49	6.50	—		x7.62	7.65	—		—		—		x11.13	11.10
x3 1/2	x5.74	6.50	—		x8.08	7.65	—		—		—		—	11.10
5x2	6.55x3.91	10.00	—		9.53x5.54	13.50	—		—		—		15.88x 8.74	23.00
x2 1/2	x5.16	10.00	—		x7.01	13.50	—		—		—		x 9.53	23.00
x3	x5.49	10.00	—		x7.62	13.50	—		—		—		x11.13	23.00
x3 1/2	x5.74	10.00	—		x8.08	13.50	—		—		—		—	
x4	x6.02	10.00	—		x8.56	13.50	—		12.70x11.13	17.50	—		x13.49	23.00
6x2 1/2	7.11x5.16	14.00	—		10.97x7.01	19.30	—		—		—		18.26x 9.53	30.85
x3	x5.49	14.00	—		x7.62	19.30	—		—		—		x11.13	30.85
x3 1/2	x5.74	14.00	—		x8.08	19.30	—		—		—		—	
x4	x6.02	14.00	—		x8.56	19.30	—		14.27x11.13	24.00	—		x13.49	32.70
x5	x6.55	16.00	—		x9.53	19.30	—		x12.70	24.00	—		x15.88	32.70

REDUCING OUTLET TEES

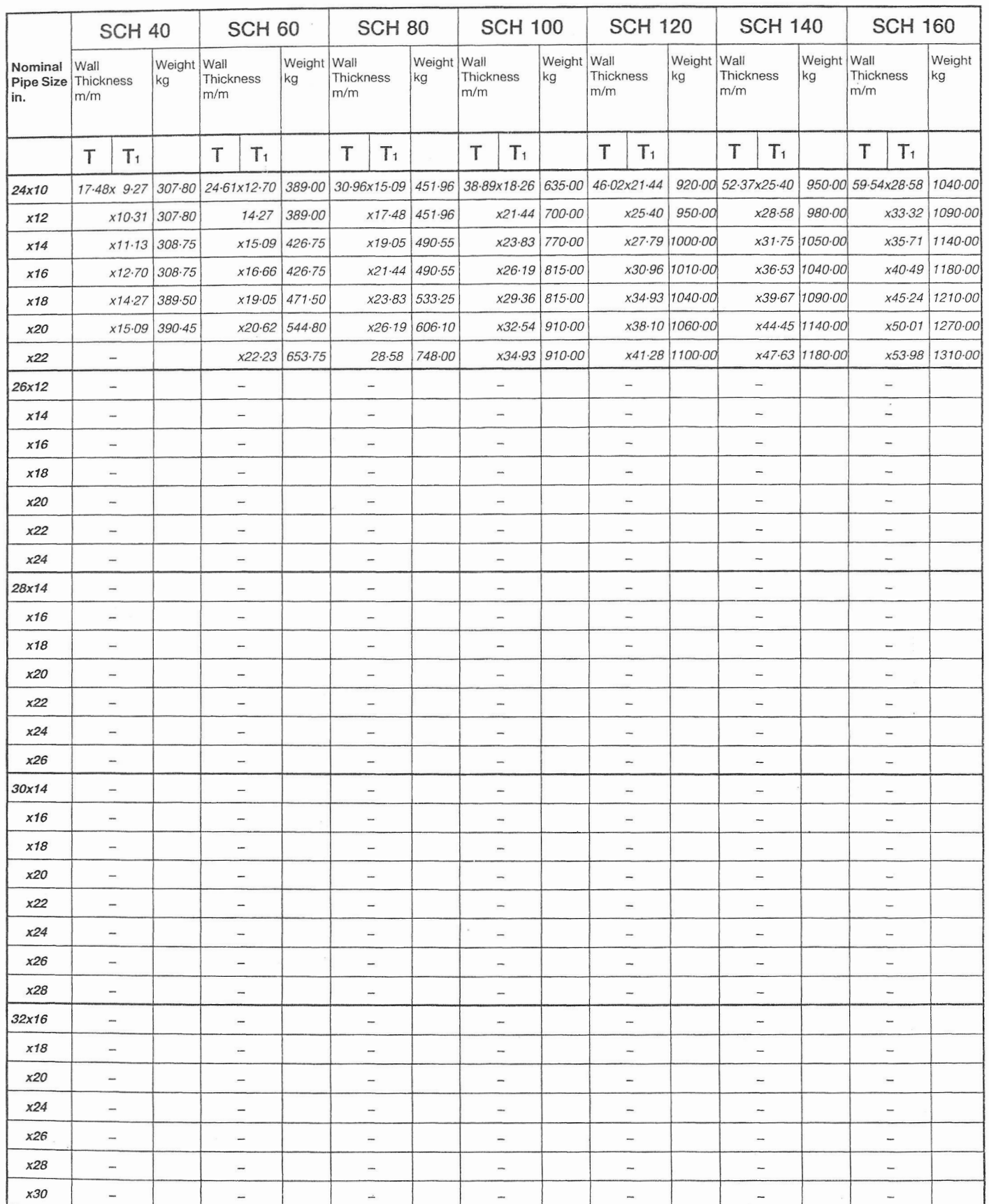
Nominal Pipe Size in.	Outside Diameter m/m		Center to End Run m/m	Center to End Branch m/m	SCH STD		SCH XS		SCH XXS		SCH 10		SCH 20		SCH 30	
					Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg
	D	D ₁	C	M	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁
8x 4	x114		178	156	x6-02	27-00	x 8-56	33-00	22-23x17-12	50-40	—		—		—	
x 5	x141		178	162	x6-55	27-00	x 9-53	33-00	x19-05	50-40	—		—		—	
x 6	x168		178	168	x7-11	27-00	x10-97	33-00	x21-95	51-30	—		—		—	
10x 4	273x114		216	184	9-27x6-02	39-63	12-70x 8-56	53-53	25-40x17-12	79-30	—		—		—	
x 5	x141		216	191	x6-55	39-63	x 9-53	53-53	x19-05	79-30	—		—		—	
x 6	x168		216	194	x7-11	39-63	x10-97	53-53	x21-95	90-93	—		—		—	
x 8	x219		216	203	x8-18	39-63	x12-70	53-53	x22-23	98-50	—		6-35x6-35	33-15	7-80x 7-04	38-60
12x 5	324x140		254	216	9-53x6-55	63-00	12-70x 9-53	74-82	25-40x19-05	119-50	—		—		—	
x 6	x168		254	219	x7-11	63-00	x10-97	74-82	x21-95	119-50	—		—		—	
x 8	x219		254	229	x8-18	63-00	x12-70	74-82	x22-23	129-07	—		6-35x6-35	41-20	8-38x 7-04	54-78
x10	x273		254	241	x9-27	63-00	x12-70	78-00	x25-40	150-00	—		x6-35	43-40	x 7-80	56-60
14x 6	356x168		279	238	9-53x7-11	97-60	12-70x10-97	109-55	—		—		—		—	
x 8	x219		279	248	x8-18	97-60	x12-70	109-55	—		—		7-92x6-35	80-50	9-53x 7-04	97-60
x10	x273		279	257	x9-27	97-60	x12-70	109-55	—		—		x6-35	80-50	x 7-80	97-60
x12	x324		279	270	x9-53	102-00	x12-70	115-00	—		—		x6-35	84-00	x 8-38	102-00
16x 6	406x168		305	264	9-53x7-11	106-50	12-70x10-97	160-00	—		—		—		—	
x 8	x219		305	273	x8-18	106-50	x12-70	160-00	—		—		7-92x6-35	98-00	9-53x 7-04	106-50
x10	x273		305	283	x9-27	106-50	x12-70	160-00	—		—		x6-35	98-00	x 7-80	106-50
x12	x324		305	295	x9-53	110-00	x12-70	164-00	—		—		x6-35	100-00	x 8-38	110-00
x14	x356		305	305	x9-53	110-00	x12-70	167-00	—		6-35x6-35	90-80	x7-92	100-00	x 9-53	110-00
18x 8	457x219		343	298	9-53x8-18	129-00	12-70x12-70	154-00	—		—		7-92x6-35	123-00	11-13x7-04	140-00
x10	x273		343	308	x9-27	129-00	x12-70	154-00	—		—		x6-35	123-00	x 7-80	140-00
x12	x324		343	321	x9-53	135-00	x12-70	164-00	—		—		x6-35	127-00	x 8-38	154-00
x14	x356		343	330	x9-53	135-00	x12-70	190-00	—		6-35x6-35	93-10	x7-92	127-00	x 9-53	164-00
x16	x406		343	330	x9-53	135-00	x12-70	190-00	—		x6-35	93-10	x7-92	127-00	x 9-53	164-00
20x 8	508x219		381	324	9-53x8-18	163-50	12-70x12-70	214-00	—		—		9-53x6-35	163-50	12-70x 7-04	214-00
x10	x273		381	333	x9-27	163-50	x12-70	214-00	—		—		x6-35	163-50	x 7-80	214-00
x12	x324		381	346	x9-53	163-50	x12-70	214-00	—		—		x6-35	163-50	x 8-38	214-00
x14	x356		381	356	x9-53	163-50	x12-70	214-00	—		6-35x6-35	109-45	x7-92	163-50	x 9-53	214-00
x16	x406		381	356	x9-53	168-00	x12-70	218-00	—		x6-35	112-00	x7-92	168-00	x 9-53	218-00
x18	x457		381	368	x9-53	168-00	x12-70	218-00	—		x6-35	112-00	x7-92	168-00	x11-13	218-00
22x10	559x273		419	359	9-53x9-27	172-50	12-70x12-70	245-00	—		—		9-53x6-35	170-00	12-70x 7-80	245-00
x12	x324		419	371	x9-53	172-50	x12-70	245-00	—		—		x6-35	170-00	x 8-38	245-00
x14	x356		419	381	x9-53	172-50	x12-70	245-00	—		6-35x6-35	111-50	x7-92	170-00	x 9-53	245-00
x16	x406		419	381	x9-53	209-00	x12-70	260-00	—		x6-35	139-40	x7-92	170-00	x 9-53	260-00
x18	x457		419	394	x9-53	209-00	x12-70	260-00	—		x6-35	139-40	x7-92	220-00	x11-13	260-00
x20	x508		419	406	x9-53	220-00	x12-70	280-00	—		x6-35	146-00	x9-53	220-00	x12-70	280-00



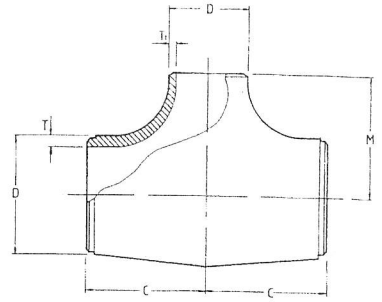
Nominal Pipe Size in.	SCH 40		SCH 60		SCH 80		SCH 100		SCH 120		SCH 140		SCH 160	
	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg
	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁
8x 4	x 6-02	27-00	—		x 8-56	33-00	—		18-26x11-13	43-15	—		23-01x13-49	51-00
x 5	x 6-55	27-00	—		x 9-53	33-00	—		x12-70	43-15	—		x15-88	55-60
x 6	x 7-11	27-00	—		x10-97	33-00	—		x14-27	49-50	—		x18-26	55-60
10x 4	9-27x 6-02	39-63	—		15-09x 8-56	46-30	—		21-44x11-13	71-25	—		28-58x13-49	85-00
x 5	x 6-55	39-63	—		x 9-53	46-30	—		x12-70	71-25	—		x15-88	91-25
x 6	x 7-11	39-63	—		x10-97	49-03	—		x14-27	81-70	—		x18-26	102-15
x 8	x 8-18	39-63	12-70x10-31	53-60	x12-70	65-83	18-26x15-09	73-50	x18-26	88-50	25-40x20-62	95-00	x23-01	113-00
12x 5	10-31x 6-55	67-20	—		17-48x 9-53	85-35	—		25-40x12-70	102-60	—		33-32x15-88	140-25
x 6	x 7-11	67-20	—		x10-97	85-35	—		x14-27	112-15	—		x18-26	140-25
x 8	x 8-18	67-20	14-27x10-31	77-50	x12-70	85-35	21-44x15-09	122-50	x18-26	131-20	28-58x20-62	140-00	x23-01	152-30
x10	x 9-27	70-50	x12-70	95-00	x15-09	106-24	x18-26	124-85	x21-44	140-85	x25-40	158-00	x28-58	163-45
14x 6	11-13x 7-11	100-00	—		19-05x10-97	141-85	—		27-79x14-27	205-00	—		35-71x18-26	270-00
x 8	x 8-18	100-00	15-09x10-31	127-10	x12-70	141-85	23-83x15-09	195-00	x18-26	220-00	31-75x20-62	250-00	x23-01	270-00
x10	x 9-27	100-00	x12-70	127-10	x15-09	160-00	x18-26	195-00	x21-44	230-00	x25-40	265-00	x28-58	285-00
x12	x10-31	105-00	x14-27	135-00	x17-48	162-28	x21-44	206-00	x25-40	235-00	x28-58	275-00	x33-32	300-00
16x 6	12-70x 7-11	160-00	—		21-44x10-97	163-89	—		30-96x14-27	250-00	—		40-49x18-26	295-00
x 8	x 8-18	160-00	16-66x10-31	160-25	x12-70	163-89	26-19x15-09	258-20	x18-26	280-00	36-53x20-62	295-00	x23-01	295-00
x10	x 9-27	160-00	x12-70	162-75	x15-09	163-89	x18-26	266-50	x21-44	295-00	x25-40	310-00	x28-58	360-00
x12	x10-31	164-00	x14-27	180-50	x17-48	181-60	x21-44	270-68	x25-40	310-00	x28-58	340-00	x33-32	385-00
x14	x11-13	167-00	x15-09	206-50	x19-05	230-00	x23-83	279-00	x27-79	320-00	x31-75	360-00	x35-71	410-00
18x 8	14-27x 8-18	149-15	19-05x10-31	187-00	23-83x12-70	203-50	29-36x15-09	273-30	34-93x18-26	340-00	39-67x20-62	360-00	45-24x23-01	455-00
x10	x 9-27	149-15	x12-70	187-00	x15-09	224-85	x18-26	286-50	x21-44	375-00	x25-40	385-00	x28-58	475-00
x12	x10-31	192-95	x14-27	212-50	x17-48	233-90	x21-44	286-50	x25-40	400-00	x28-58	410-00	x33-32	500-00
x14	x11-13	192-95	x15-09	212-50	x19-05	258-00	x23-83	327-00	x27-79	420-00	x31-75	455-00	x35-71	520-00
x16	x12-70	237-45	x16-66	256-50	x21-44	278-87	x26-19	335-00	x30-96	440-00	x36-53	475-00	x40-49	550-00
20x 8	15-09x 8-18	220-20	20-62x10-31	223-85	26-19x12-70	228-25	32-54x15-09	390-00	38-10x18-26	430-00	44-45x20-62	450-00	50-01x23-01	660-00
x10	x 9-27	220-20	x12-70	286-00	x15-09	298-25	x18-26	420-00	x21-44	475-00	x25-40	500-00	x28-58	680-00
x12	x10-31	224-00	x14-27	292-00	x17-48	319-15	x21-44	450-00	25-40	500-00	x28-58	540-00	x33-32	700-00
x14	x11-13	224-00	x15-09	292-00	x19-05	319-15	x23-83	470-00	x27-79	530-00	x31-75	590-00	x35-71	725-00
x16	x12-70	230-00	x16-66	322-35	x21-44	350-50	x26-19	470-00	x30-96	550-00	x36-53	630-00	x40-49	750-00
x18	x14-27	265-10	x19-05	350-00	x23-83	405-42	x29-36	540-00	x34-93	570-00	x39-67	680-00	x45-24	770-00
22x10			22-23x12-70	481-60	28-58x15-09	619-00	34-93x18-26	757-00	41-28x21-44	894-90	47-63x25-40	1032-50	53-98x28-58	1040
x12			x14-27	481-60	x17-48	619-00	x21-44	757-00	x25-40	894-90	x28-58	1032-00	x33-32	1040
x14			x15-09	481-60	x19-05	619-00	x23-83	757-00	x27-79	894-90	x31-75	1032-50	x35-71	1040
x16			x16-66	511-06	x21-44	657-34	x26-19	803-16	x30-96	949-45	x36-53	1095-50	x40-49	1241
x18			x19-05	511-06	x23-83	657-34	x29-36	803-16	x34-93	949-45	x39-67	1095-50	x45-24	1241
x20			x20-62	511-06	x26-19	657-34	x32-54	803-16	x38-10	949-45	x44-45	1095-50	x50-01	1241

REDUCING OUTLET TEES

Nominal Pipe Size in.	Outside Diameter m/m		Center to End Run m/m	Center to End Branch m/m	SCH STD		SCH XS		SCH XXS		SCH 10		SCH 20		SCH 30	
					Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg
	D	D ₁	C	M	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁	T	T ₁
24x10	610x273		432	384	9.53x9.27	204.00	12.70x12.70	300.00	—		—		9.53x 6.35	204.00	14.27x 7.80	320.00
x12	x324		432	397	x9.53	218.00	x12.70	300.00	—		—		x 6.35	218.00	x 8.38	320.00
x14	x356		432	406	x9.53	222.00	x12.70	300.00	—		6.35x6.35	98.10	x 7.92	222.00	x 9.53	320.00
x16	x406		432	406	x9.53	222.00	12.70	320.00	—		x6.35	98.10	x 7.92	222.00	x 9.53	340.00
x18	x457		432	419	x9.53	227.00	x12.70	320.00	—		x6.35	123.90	x 7.92	227.00	x11.13	340.00
x20	x508		432	432	x9.53	227.00	x12.70	350.00	—		x6.35	123.90	x 9.53	227.00	x12.70	373.00
x22	x559		432	432	x9.53	237.00	x12.70	350.00	—		x6.35	140.40	x 9.53	237.00	x12.70	373.00
26x12	660x324		495	422	9.53x9.53	234.10	12.70x12.70	294.40	—		—		12.70x 6.35	294.40	—	
x14	x356		495	432	x9.53	239.00	x12.70	300.30	—		7.92x6.35	198.80	x 7.92	300.30	—	
x16	x406		495	432	x9.53	246.80	x12.70	310.30	—		x6.35	205.30	x 7.92	310.30	—	
x18	x457		495	444	x9.53	254.90	x12.70	320.20	—		x6.35	212.10	x 7.92	320.20	—	
x20	x508		495	457	x9.53	263.50	x12.70	330.20	—		x6.35	219.20	x 9.53	330.20	—	
x22	x559		495	470	x9.53	271.20	x12.70	339.70	—		x6.35	234.00	x 9.53	339.70	—	
x24	x610		495	483	x9.53	279.40	x12.70	349.70	—		x6.35	234.00	x 9.53	349.70	—	
28x14	711x356		521	457	9.53x9.53	274.00	12.70x12.70	346.00	—		7.92x6.35	228.00	12.70x 7.92	346.00	15.88x 9.53	450.00
x16	x406		521	457	x9.53	283.00	x12.70	357.00	—		x6.35	235.00	x 7.92	357.00	x 9.53	450.00
x18	x457		521	470	x9.53	292.10	x12.70	368.80	—		x6.35	243.00	x 7.92	368.80	x11.13	461.00
x20	x508		521	483	x9.53	301.60	x12.70	380.00	—		x6.35	250.90	x 9.53	380.00	x12.70	461.00
x22	x559		521	495	x9.53	310.70	x12.70	390.00	—		x6.35	258.50	x 9.53	390.00	x12.70	461.00
x24	x610		521	508	x9.53	319.80	x12.70	400.50	—		x6.35	266.00	x 9.53	400.50	x14.27	480.00
x26	x660		521	521	x9.53	325.20	x12.70	410.50	—		x7.92	270.56	x12.70	410.50	—	
30x14	762x356		559	483	9.53x9.53	308.90	12.70x12.70	392.40	—		7.92x6.35	257.00	12.70x 7.92	392.40	15.88x 9.53	470.00
x16	x406		559	483	x9.53	319.30	x12.70	403.70	—		x6.35	265.65	x 7.92	403.70	x 9.53	470.00
x18	x457		559	495	x9.53	329.80	x12.70	417.30	—		x6.35	274.40	x 7.92	417.30	x11.13	500.00
x20	x508		559	508	x9.53	339.70	x12.70	428.60	—		x6.35	282.65	x 9.53	428.60	x12.70	500.00
x22	x559		559	521	x9.53	350.20	x12.70	440.00	—		x6.35	291.35	x 9.53	440.00	x12.70	500.00
x24	x610		559	533	x9.53	360.60	x12.70	451.30	—		x6.35	300.00	x 9.53	451.30	x14.27	541.50
x26	x660		559	546	x9.53	370.60	x12.70	462.70	—		x7.92	308.33	x12.70	462.70	—	
x28	x711		559	546	x9.53	378.30	x12.70	471.70	—		x7.92	314.74	x12.70	471.70	x15.88	566.00
32x16	813x406		597	508	9.53x9.53	381.00	12.70x12.70	461.00	—		7.92x6.35	316.95	12.70x 7.92	461.00	15.88x 9.53	553.20
x18	x457		597	521	x9.53	390.00	x12.70	475.00	—		x6.35	324.50	x 7.92	475.00	x11.13	570.00
x20	x508		597	533	x9.53	406.00	x12.70	487.60	—		x6.35	337.70	x 9.53	487.60	x12.70	585.10
x24	x610		597	559	x9.53	410.00	x12.70	513.50	—		x6.35	341.10	x 9.53	513.50	x14.27	616.20
x26	x660		597	572	x9.53	420.50	x12.70	526.20	—		x7.92	349.85	x12.70	526.20	—	
x28	x711		597	572	x9.53	429.10	x12.70	536.20	—		x7.92	357.00	x12.70	536.20	x15.88	643.44
x30	x762		597	584	x9.53	441.40	x12.70	543.40	—		x7.92	452.10	x12.70	543.40	x15.88	651.60

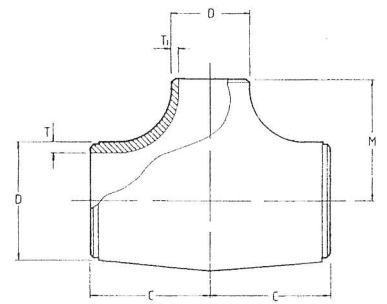


REDUCING OUTLET TEES



Nominal Pipe Size in.	Outside Diameter m/m		Center to End Run m/m	Center to End Branch m/m	SCH STD		SCH XS		SCH XXS		SCH 10		SCH 20		SCH 30			
					Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg		
	D	D ₁	C	M _(t)	T	T ₁		T	T ₁		T	T ₁		T	T ₁			
34x16	864x406		635	533	9-53x9-53	411-40	12-70x12-70	519-40	—		7-92x6-35	342-60	12-70x 7-92	519-40	15-88x 9-53	650-00		
x18	x457		635	546	x9-53	423-20	x12-70	532-90	—		x6-35	454-30	x 7-92	532-90	x11-13	660-10		
x20	x508		635	559	x9-53	435-40	x12-70	546-60	—		x6-35	361-90	x9-53	546-60	x12-70	666-10		
x22	x559		635	572	x9-53	447-20	x12-70	562-50	—		x6-35	372-10	x 9-53	562-50	x12-70	666-10		
x24	x610		635	584	x9-53	459-50	x12-70	576-10	—		x6-35	382-30	x 9-53	576-10	x14-27	720-13		
x26	x660		635	597	x9-53	471-30	x12-70	589-70	—		x7-92	392-10	x12-70	589-70	—			
x28	x711		635	597	x9-53	480-40	x12-70	601-00	—		x7-92	399-70	x12-70	601-00	x15-88	751-25		
x30	x762		635	610	x9-53	492-10	x12-70	614-60	—		x7-92	409-40	x12-70	614-60	x15-88	768-20		
x32	x813		635	622	x9-53	503-90	x12-70	630-50	—		x7-92	419-25	x12-70	630-50	x15-88	788-10		
36x16	914x406		673	559	9-53x9-53	460-40	12-70x12-70	580-60	—		7-92x6-35	383-00	12-70x 7-92	580-60	15-88x 9-53	725-70		
x18	x457		673	572	x9-53	473-60	x12-70	596-50	—		x6-35	394-03	x 7-92	596-50	x11-13	745-60		
x20	x508		673	584	x9-53	486-30	x12-70	610-10	—		x6-35	404-60	x 9-53	610-10	x12-70	762-60		
x22	x559		673	597	x9-53	499-00	x12-70	626-00	—		x6-35	415-15	x 9-53	626-00	x12-70	782-50		
x24	x610		673	610	x9-53	512-10	x12-70	641-80	—		x6-35	426-10	x 9-53	641-80	x14-27	802-50		
x26	x660		673	622	x9-53	525-30	x12-70	653-20	—		x7-92	437-10	x12-70	653-20	—	—		
x28	x711		673	622	x9-53	535-70	x12-70	669-00	—		x7-92	445-70	x12-70	669-00	x15-88	836-25		
x30	x762		673	635	x9-53	547-50	x12-70	684-90	—		x7-92	455-50	x12-70	684-90	x15-88	856-25		
x32	x813		673	648	x9-53	561-10	x12-70	698-50	—		x7-92	466-83	x12-70	698-50	x15-88	873-10		
x34	x864		673	660	x9-53	573-30	x12-70	714-40	—		x7-92	477-00	x12-70	714-40	x15-88	893-00		
38x18	965x457		711	597	9-53x9-53	WEIGHTS ON APPLICATION	12-70x12-70	WEIGHTS ON APPLICATION	—		—		—		—			
x20	x508		711	610	x9-53		x12-70		—		—		—		—		—	
x24	x610		711	635	x9-53		x12-70		—		—		—		—		—	
x26	x660		711	648	x9-53		x12-70		—		—		—		—		—	
x28	x711		711	648	x9-53		x12-70		—		—		—		—		—	
x30	x762		711	673	x9-53		x12-70		—		—		—		—		—	
x32	x813		711	686	x9-53		x12-70		—		—		—		—		—	
x34	x864		711	698	9-53		x12-70		—		—		—		—		—	
x36	x914		711	711	x9-53		x12-70		—		—		—		—		—	
40x20	1016x508		749	635	9-53x9-53		WEIGHTS ON APPLICATION		12-70x12-70	WEIGHTS ON APPLICATION	—		—		—		—	
x22	x559		749	648	x9-53	x12-70		—			—		—		—		—	
x24	x610		749	660	x9-53	x12-70		—			—		—		—		—	
x26	x660		749	673	x9-53	x12-70		—			—		—		—		—	
x28	x711		749	673	x9-53	x12-70		—			—		—		—		—	
x30	x762		749	698	x9-53	x12-70		—			—		—		—		—	
x32	x813		749	711	x9-53	x12-70		—			—		—		—		—	
x34	x864		749	724	x9-53	x12-70		—			—		—		—		—	
x36	x914		749	737	x9-53	x12-70		—			—		—		—		—	
x38	x965		749	749	x9-53	x12-70		—			—		—		—		—	

REDUCING OUTLET TEES



Nominal Pipe Size in.	Outside Diameter m/m		Center to End Run m/m	Center to End Branch m/m	SCH STD		SCH XS		SCH XXS		SCH 10		SCH 20		SCH 30	
					Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg
	D	D1	C	M	T	T1	T	T1	T	T1	T	T1	T	T1	T	T1
42x24	1067x	610	762	660	9-53x9-53		12-70x12-70		-		-		-		-	
x26	x	660	762	698	x9-53		x12-70		-		-		-		-	
x28	x	711	762	698	x9-53		x12-70		-		-		-		-	
x30	x	762	762	711	x9-53		x12-70		-		-		-		-	
x32	x	813	762	711	x9-53		x12-70		-		-		-		-	
x34	x	864	762	711	x9-53		x12-70		-		-		-		-	
x36	x	914	762	711	x9-53		x12-70		-		-		-		-	
x38	x	965	762	711	x9-53		x12-70		-		-		-		-	
x40	x	1016	762	711	x9-53		x12-70		-		-		-		-	
44x26	1118x	660	813	698	9-53x9-53		12-70x12-70		-		-		-		-	
x28	x	711	813	698	x9-53		x12-70		-		-		-		-	
x30	x	762	813	711	x9-53		x12-70		-		-		-		-	
x32	x	813	813	711	x9-53		x12-70		-		-		-		-	
x34	x	864	813	724	x9-53		x12-70		-		-		-		-	
x36	x	914	813	724	x9-53		x12-70		-		-		-		-	
x38	x	965	813	737	x9-53		x12-70		-		-		-		-	
x40	x	1016	813	749	x9-53		x12-70		-		-		-		-	
x42	x	1067	813	762	x9-53		x12-70		-		-		-		-	
46x30	1168x	762	851	737	9-53x9-53		12-70x12-70		-		-		-		-	
x32	x	813	851	749	x9-53		x12-70		-		-		-		-	
x34	x	864	851	749	x9-53		x12-70		-		-		-		-	
x36	x	914	851	762	x9-53		x12-70		-		-		-		-	
x38	x	965	851	762	x9-53		x12-70		-		-		-		-	
x40	x	1016	851	775	x9-53		x12-70		-		-		-		-	
x42	x	1067	851	787	x9-53		x12-70		-		-		-		-	
x44	x	1118	851	800	x9-53		x12-70		-		-		-		-	
48x30	1219x	762	889	762	9-53x9-53		12-70x12-70		-		-		-		-	
x32	x	813	889	787	x9-53		x12-70		-		-		-		-	
x34	x	864	889	787	x9-53		x12-70		-		-		-		-	
x36	x	914	889	787	x9-53		x12-70		-		-		-		-	
x38	x	965	889	813	x9-53		x12-70		-		-		-		-	
x40	x	1016	889	813	x9-53		x12-70		-		-		-		-	
x42	x	1067	889	813	x9-53		x12-70		-		-		-		-	
x44	x	1118	889	838	x9-53		x12-70		-		-		-		-	
x46	x	1168	889	838	x9-53		x12-70		-		-		-		-	
52x42	1321x	1067	965	889	9-53x9-53		12-70x12-70		-		-		-		-	
x48	x	1219	965	914	x9-53		x12-70		-		-		-		-	
54x42	1372x	1067	1093	889	9-53x9-53		12-70x12-70		-		-		-		-	
x48	x	1219	1093	914	x9-53		x12-70		-		-		-		-	
56x42	1422x	1067	1041	939	9-53x9-53		12-70x12-70		-		-		-		-	
x48	x	1219	1041	965	x9-53		x12-70		-		-		-		-	
60x48	1524x	1219	1117	1016	9-53x9-53		12-70x12-70		-		-		-		-	
x56	x	1422	1117	1041	x9-53		x12-70		-		-		-		-	

WEIGHTS ON APPLICATION

WEIGHTS ON APPLICATION