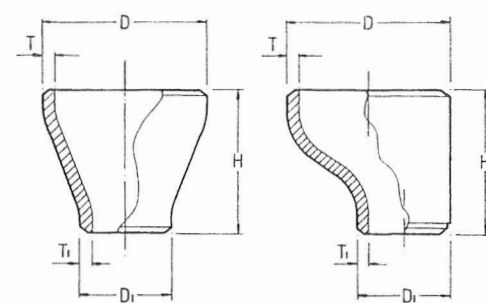


# REDUCERS

## CONCENTRIC / ECCENTRIC

Nominal Pipe Size in.	Outside Diameter m/m		Length 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 <sub>1</sub>	H	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>
¾x ½	27x 21		38	2.87x2.77		3.91x3.73		7.82x 7.47	—	—		—		—	
1x ½	33x 21		51	3.38x2.77	0.14	4.55x3.73	0.16	9.09x 7.47	—	—		—		—	
x ¾	x 27		51	x2.87	0.14	x3.91	0.17	x 7.82	—	—		—		—	
1¼x ½	42x 21		51	3.56x2.77	0.19	4.85x3.73	0.22	9.70x 7.47	0.40	—		—		—	
x ¾	x 27		51	x2.87	0.20	x3.91	0.23	x 7.82	0.42	—		—		—	
x1	x 33		51	x3.38	0.20	x4.55	0.24	x 9.09	0.42	—		—		—	
1½x ½	48x 21		64	3.68x2.77	0.20	5.08x3.73	0.28	10.15x 7.47	0.61	—		—		—	
x ¾	x 27		64	x2.87	0.22	x3.91	0.27	x 7.82	0.67	—		—		—	
x1	x 33		64	x3.38	0.24	x4.55	0.31	x 9.09	0.73	—		—		—	
x1¼	x 42		64	x3.56	0.26	x4.85	0.33	x 9.70	0.79	—		—		—	
2x ¾	60x 27		76	3.91x2.87	0.33	5.54x3.91	0.46	11.07x 7.82	1.02	—		—		—	
x1	x 33		76	x3.38	0.37	x4.55	0.45	x 9.09	1.14	—		—		—	
x1¼	x 42		76	x3.56	0.39	x4.85	0.53	x 9.70	1.20	—		—		—	
x1½	x 48		76	x3.68	0.41	x5.08	0.54	x10.15	1.26	—		—		—	
2½x1	73x 33		89	5.16x3.38	0.59	7.01x4.55	0.79	14.02x 9.09	1.82	—		—		—	
x1¼	x 42		89	x3.56	0.67	x4.85	0.79	x 9.70	2.07	—		—		—	
x1½	x 48		89	x3.68	0.68	x5.08	0.86	x10.15	2.09	—		—		—	
x2	x 60		89	x3.91	0.73	x5.54	0.94	x11.07	2.26	—		—		—	
3x1¼	89x 42		89	5.49x3.56	0.77	7.62x4.85	1.04	15.24x 9.70	2.46	—		—		—	
x1½	x 48		89	x3.68	0.86	x5.08	1.04	x10.15	2.76	—		—		—	
x2	x 60		89	x3.91	0.91	x5.54	1.18	x11.07	2.90	—		—		—	
x2½	x 73		89	x5.16	0.98	x7.01	1.29	x14.02	3.12	—		—		—	
3½x1½	102x 48		102	5.74x3.68	1.14	8.08x5.08	1.43	—	—	—		—		—	
x2	x 60		102	x3.91	1.23	x5.54	1.61	—	—	—		—		—	
x2½	x 73		102	x5.16	1.34	x7.01	1.75	—	—	—		—		—	
x3	x 89		102	x5.49	1.38	x7.62	1.85	—	—	—		—		—	
4x1½	114x 48		102	6.02x3.68	1.24	8.56x5.08	1.73	17.12x10.15	4.18	—		—		—	
x2	x 60		102	x3.91	1.44	x5.54	1.78	x11.07	4.85	—		—		—	
x2½	x 73		102	x5.16	1.52	x7.01	2.01	x14.02	5.14	—		—		—	
x3	x 89		102	x5.49	1.59	x7.62	2.13	x15.24	5.35	—		—		—	
x3½	x102		102	x5.74	1.64	x8.08	2.21	—	—	—		—		—	
5x2	141x 60		127	6.55x3.91	2.29	9.53x5.54	3.00	19.05x11.07	7.29	—		—		—	
x2½	x 73		127	x5.16	2.51	x7.01	3.30	x14.02	8.02	—		—		—	
x3	x 89		127	x5.49	2.60	x7.62	3.55	x15.24	8.31	—		—		—	
x3½	x102		127	x5.74	2.66	x8.08	3.65	—	—	—		—		—	
x4	x114		127	x6.02	2.72	x8.56	3.78	x17.12	8.68	—		—		—	
6x2½	168x 73		140	7.11x5.16	3.45	10.97x7.01	4.52	21.95x14.02	11.09	—		—		—	
x3	x 89		140	x5.49	3.63	x7.62	5.04	x15.24	11.64	—		—		—	
x3½	x102		140	x5.74	3.69	x8.08	5.27	—	—	—		—		—	
x4	x114		140	x6.02	3.72	x8.56	5.45	x17.12	11.98	—		—		—	
x5	x141		140	x6.55	3.93	x9.53	5.72	x19.05	12.64	—		—		—	

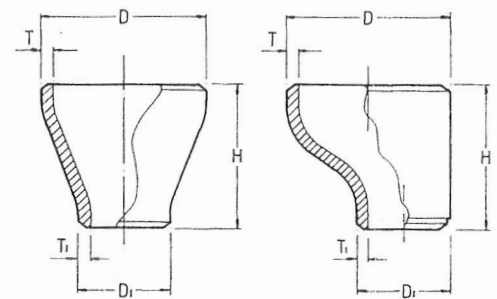


Nominal Pipe Size in.	SCH 40		SCH 60		SCH 80		SCH 100		SCH 120		SCH 140		SCH 160	
	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg
	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>
3/4x 1/2	2.87x2.77		—		3.91x3.73		—		—		—		5.56x 4.78	
1x 1/2	3.38x2.77	0.14	—		4.55x3.73	0.16	—		—		—		6.35x 4.78	0.22
x 3/4	x2.87	0.14	—		x3.91	0.17	—		—		—		x 5.56	0.22
1 1/4x 1/2	3.56x2.77	0.19	—		4.85x3.73	0.22	—		—		—		6.35x 4.78	0.29
x 3/4	x2.87	0.20	—		x3.91	0.23	—		—		—		x 5.56	0.30
x1	x3.38	0.20	—		x4.55	0.24	—		—		—		x 6.35	0.30
1 1/2x 1/2	3.68x2.77	0.20	—		5.08x3.73	0.28	—		—		—		7.14x 4.78	0.46
x 3/4	x2.87	0.22	—		x3.91	0.27	—		—		—		x 5.56	0.51
x1	x3.38	0.24	—		x4.55	0.31	—		—		—		x 6.35	0.55
x1 1/4	x3.56	0.26	—		x4.85	0.33	—		—		—		x 6.35	0.60
2x 3/4	3.91x2.87	0.33	—		5.54x3.91	0.46	—		—		—		8.74x 5.56	0.84
x1	x3.38	0.37	—		x4.55	0.45	—		—		—		x 6.35	0.94
x1 1/4	x3.56	0.39	—		x4.85	0.53	—		—		—		x 6.35	0.99
x1 1/2	x3.68	0.41	—		x5.08	0.54	—		—		—		x 7.14	1.04
2 1/2x1	5.16x3.38	0.59	—		7.01x4.55	0.79	—		—		—		9.53x 6.35	1.33
x1 1/4	x3.56	0.67	—		x4.85	0.79	—		—		—		x 6.35	1.52
x1 1/2	x3.68	0.68	—		x5.08	0.86	—		—		—		x 7.14	1.53
x2	x3.91	0.73	—		x5.54	0.94	—		—		—		x 8.74	1.65
3x1 1/4	5.49x3.56	0.77	—		7.62x4.85	1.04	—		—		—		11.13x 6.35	1.89
x1 1/2	x3.68	0.86	—		x5.08	1.04	—		—		—		x 7.14	2.12
x2	x3.91	0.91	—		x5.54	1.18	—		—		—		x 8.74	2.23
x2 1/2	x5.16	0.98	—		x7.01	1.29	—		—		—		x 9.53	2.40
3 1/2x1 1/2	5.74x3.68	1.14	—		8.08x5.08	1.43	—		—		—		—	
x2	x3.91	1.23	—		x5.54	1.61	—		—		—		—	
x2 1/2	x5.16	1.34	—		x7.01	1.75	—		—		—		—	
x3	x5.49	1.38	—		x7.62	1.85	—		—		—		—	
4x1 1/2	6.02x3.68	1.24	—		8.56x5.08	1.73	—		—		—		13.49x 7.14	3.42
x2	x3.91	1.44	—		x5.54	1.78	—		—		—		x 8.74	3.97
x2 1/2	x5.16	1.52	—		x7.01	2.01	—		—		—		x 9.53	4.21
x3	x5.49	1.59	—		x7.62	2.13	—		—		—		x11.13	4.38
x3 1/2	x5.74	1.64	—		x8.08	2.21	—		—		—		—	
5x2	6.55x3.91	2.29	—		9.53x5.54	3.00	—		—		—		15.88x 8.74	6.23
x2 1/2	x5.16	2.51	—		x7.01	3.30	—		—		—		x 9.53	6.68
x3	x5.49	2.60	—		x7.62	3.55	—		—		—		x11.13	7.10
x3 1/2	x5.74	2.66	—		x8.08	3.65	—		—		—		—	
x4	x6.02	2.72	—		x8.56	3.78	—		12.70x11.13	6.09	—		x13.49	7.41
6x2 1/2	7.11x5.16	3.45	—		10.97x7.01	4.52	—		—		—		18.26x 9.53	9.46
x3	x5.49	3.63	—		x7.62	5.04	—		—		—		x11.13	9.93
x3 1/2	x5.74	3.69	—		x8.08	5.27	—		—		—		—	
x4	x6.02	3.72	—		x8.56	5.45	—		14.27x11.13	8.20	—		x13.49	10.22
x5	x6.55	3.93	—		x9.53	5.72	—		x12.70	8.65	—		x15.88	10.78

# REDUCERS

## CONCENTRIC / ECCENTRIC

Nominal Pipe Size in.	Outside Diameter m/m		Length 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 <sub>1</sub>	H	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>
8x 4	219x114		152	8-18x6-02	5-95	12-70x 8-56	8-44	22-23x17-12	16-73	-		-		-	
x 5	x141		152	x6-55	6-08	x 9-53	8-85	x19-05	17-22	-		-		-	
x 6	x168		152	x7-11	6-31	x10-97	9-26	x21-95	17-88	-		-		-	
10x 4	273x114		178	9-27x6-02	9-58	12-70x 8-56	11-50	25-40x17-12	27-61	-		-		-	
x 5	x141		178	x6-55	9-90	x 9-53	13-00	x19-05	28-44	-		-		-	
x 6	x168		178	x7-11	10-10	x10-97	13-50	x21-95	28-99	-		-		-	
x 8	x219		178	x8-18	10-50	x12-70	14-20	x22-23	29-27	-		6-35x6-35	7-89	7-80x 7-04	9-62
12x 5	324x141		203	9-53x6-55	13-80	12-70x 9-53	17-70	25-40x19-05	37-94	-		-		-	
x 6	x168		203	x7-11	14-10	x10-97	18-40	x21-95	38-70	-		-		-	
x 8	x219		203	x8-18	14-60	x12-70	19-08	x22-23	40-22	-		6-35x6-35	10-70	8-38x 7-04	14-03
x10	x273		203	x9-27	15-20	x12-70	19-80	x25-40	41-73	-		x6-35	11-10	x 7-80	14-56
14x 6	356x168		330	9-53x7-11	25-30	12-70x12-70	33-70	-		-		-		-	
x 8	x219		330	x8-18	26-00	x12-70	34-90	-		-		7-92x6-35	23-09	9-53x 7-04	27-62
x10	x273		330	x9-27	27-40	x12-70	36-10	-		-		x6-35	24-21	x 7-80	28-97
x12	x324		330	x9-53	28-80	x12-70	37-70	-		-		x6-35	25-56	x 8-30	30-57
16x 6	406x168		356	9-53x7-11	21-90	12-70x10-97	42-60	-		-		-		-	
x 8	x219		356	x8-18	21-90	x12-70	42-60	-		-		7-92x6-35	27-72	9-53x7-04	33-18
x10	x273		356	x9-27	33-10	x12-70	43-70	-		-		x6-35	28-83	x 7-80	34-51
x12	x324		356	x9-53	34-30	x12-70	45-00	-		-		x6-35	29-94	x 8-38	35-83
x14	x356		356	x9-53	35-20	x12-70	46-30	-		6-35x6-35	24-53	x7-92	30-49	x 9-53	36-50
18x 8	457x219		381	9-53x8-18	39-40	12-70x12-70	51-80	-		-		7-92x6-35	33-45	11-13x 7-04	46-
x10	x273		381	x9-27	39-40	x12-70	51-80	-		-		x6-35	33-45	x 7-80	46-62
x12	x324		381	x9-53	40-50	x12-70	53-60	-		-		x6-35	34-45	x 8-38	48-02
x14	x356		381	x9-53	41-30	x12-70	54-50	-		6-35x6-35	28-23	x7-92	35-12	x 9-53	48-95
x16	x406		381	x9-53	42-70	x12-70	55-80	-		x6-35	29-04	x7-92	36-13	x 9-53	50-35
20x 8	508x219		508	9-53x8-18	60-80	12-70x12-70	79-90	-		-		9-53x6-35	59-47	12-70x 7-04	78-79
x10	x273		508	x9-27	60-80	x12-70	79-90	-		-		x6-35	59-47	x 7-80	78-79
x12	x324		508	x9-53	60-80	x12-70	79-90	-		-		x6-35	59-47	x 8-38	78-79
x14	x356		508	x9-53	61-30	x12-70	81-30	-		6-35x6-35	40-30	x7-92	60-07	x 9-53	79-58
x16	x406		508	x9-53	62-60	x12-70	82-60	-		x6-35	41-10	x7-92	61-25	x 9-53	81-15
x18	x457		508	x9-53	64-50	x12-70	84-40	-		x6-35	42-72	x7-92	63-04	x11-13	83-52
22x10	559x273		508	9-53x9-27	67-20	12-70x12-70	88-50	-		-		9-53x6-35	65-54	12-70x 7-80	86-87
x12	x324		508	x9-53	67-20	x12-70	88-50	-		-		x6-35	65-54	x 8-38	86-87
x14	x356		508	x9-53	67-20	x12-70	88-50	-		6-35x6-35	49-32	x7-92	65-54	x 9-53	86-87
x16	x406		508	x9-53	68-50	x12-70	89-90	-		x6-35	50-31	x7-92	66-85	x 9-53	88-61
x18	x457		508	x9-53	69-90	x12-70	91-70	-		x6-35	51-29	x7-92	68-16	x11-13	90-34
x20	x508		508	x9-53	71-30	x12-70	94-00	-		x6-35	52-28	x9-53	69-47	x12-70	92-08



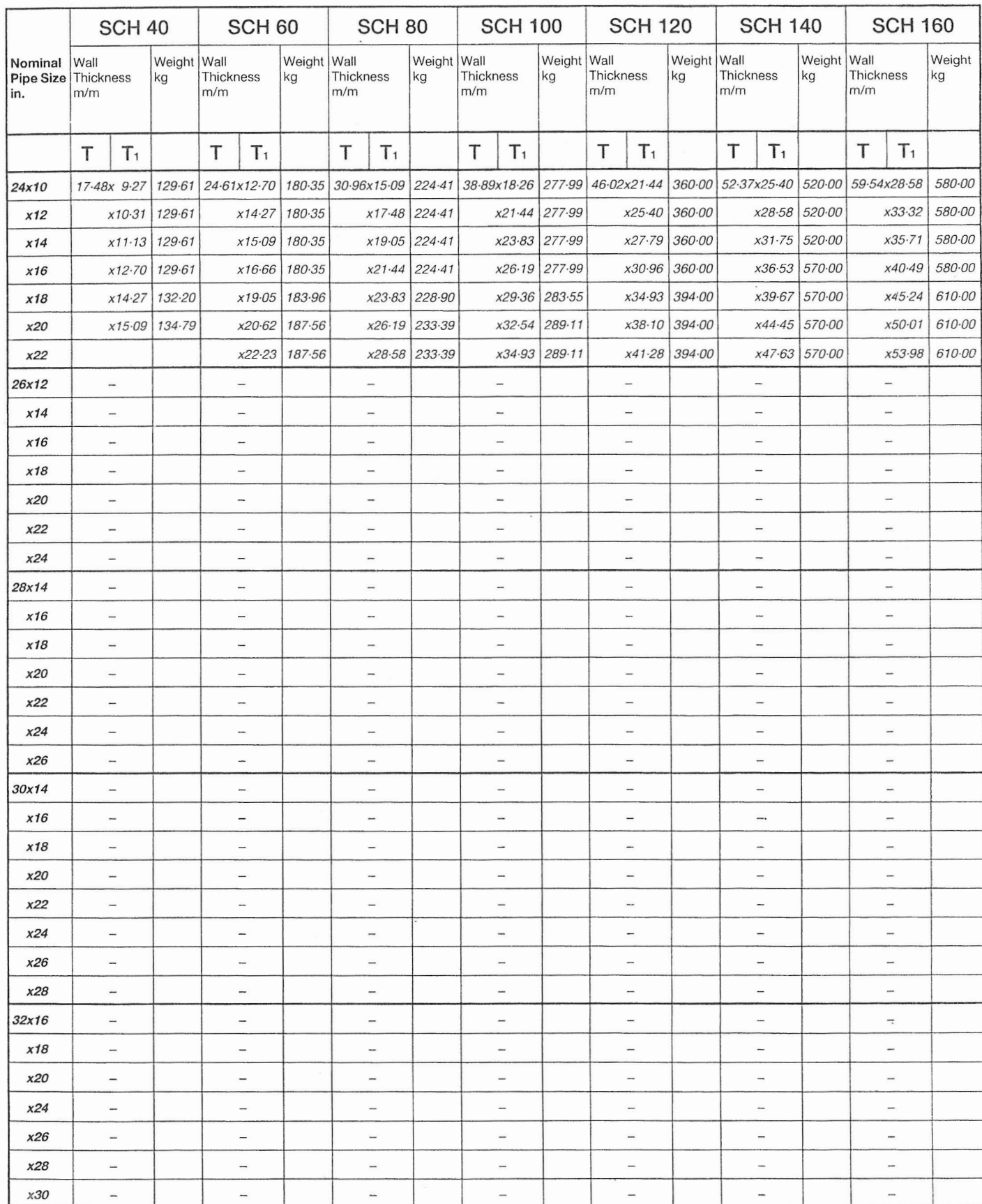
Nominal Pipe Size in.	SCH 40		SCH 60		SCH 80		SCH 100		SCH 120		SCH 140		SCH 160	
	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg
	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>
8x 4	8-18x 6-02	5-95	—	—	12-70x 8-56	8-44	—	—	18-26x11-13	14-03	—	—	23-01x13-49	17-25
x 5	x 6-55	6-08	—	—	x 9-53	8-85	—	—	x12-70	14-44	—	—	x15-88	17-76
x 6	x 7-11	6-31	—	—	x10-97	9-26	—	—	x14-27	14-99	—	—	x18-26	18-43
10x 4	9-27x 6-02	9-58	—	—	15-09x 8-56	17-08	—	—	21-44x11-13	23-67	—	—	28-58x13-49	30-66
x 5	x 6-55	9-90	—	—	x 9-53	17-59	—	—	x12-70	24-38	—	—	x15-88	31-58
x 6	x 7-11	10-10	—	—	x10-97	17-93	—	—	x14-27	24-85	—	—	x18-26	32-19
x 8	x 8-18	10-50	12-70x10-31	13-50	x12-70	18-10	18-26x15-09	21-65	x18-26	25-09	25-40x20-62	29-27	x23-01	32-50
12x 5	10-31x 6-55	16-18	—	—	17-48x 9-53	26-80	—	—	25-40x12-70	37-94	—	—	33-32x15-88	48-46
x 6	x 7-11	16-50	—	—	x10-97	27-34	—	—	x14-27	38-70	—	—	x18-26	49-43
x 8	x 8-18	17-15	14-27x10-31	23-45	x12-70	28-41	21-44x15-09	34-40	x18-26	40-22	28-58x20-62	44-76	x23-01	51-37
x10	x 9-27	17-80	x12-70	24-33	x15-09	29-48	x18-26	35-70	x21-44	41-73	x25-40	46-25	x28-58	53-31
14x 6	11-13x 7-11	31-18	—	—	19-05x10-97	52-17	—	—	27-79x14-27	74-12	—	—	35-71x18-26	92-95
x 8	x 8-18	32-12	15-09x10-31	43-05	x12-70	53-74	23-83x15-09	66-25	x18-26	76-34	31-75x20-62	86-17	95-74	—
x10	x 9-27	33-67	x12-70	45-14	x15-09	56-34	x18-26	69-47	x21-44	80-05	x25-40	90-35	x28-58	100-39
x12	x10-31	35-55	x14-27	47-65	x17-48	59-47	x21-44	73-32	x25-40	84-50	x28-58	95-37	x33-32	105-96
16x 6	12-70x 7-11	43-89	—	—	21-44x10-97	72-44	—	—	30-96x14-27	101-75	—	—	40-49x18-26	130-05
x 8	x 8-18	43-89	16-66x10-31	56-84	x12-70	72-44	26-19x15-09	87-15	x18-26	101-75	36-53x20-62	118-59	x23-01	130-05
x10	x 9-27	45-65	x12-70	59-11	x15-09	75-34	x18-26	90-64	x21-44	105-82	x25-40	123-33	x28-58	135-25
x12	x10-31	47-40	x14-27	61-39	x17-48	78-24	x21-44	94-12	x25-40	109-89	x28-58	128-08	x33-32	140-45
x14	x11-13	48-28	x15-09	62-52	x19-05	79-68	x23-83	95-87	x27-79	111-93	x31-75	130-45	x35-71	143-06
18x 8	14-27x 8-18	59-40	19-05x10-31	78-41	23-83x12-70	97-00	29-36x15-09	118-02	34-93x18-26	138-55	39-67x20-62	155-62	45-24x23-01	175-07
x10	x 9-27	59-40	x12-70	78-41	x15-09	97-00	x18-26	118-02	x21-44	138-55	x25-40	155-62	x28-58	175-07
x12	x10-31	61-18	x14-27	80-76	x17-48	99-91	x21-44	121-56	x25-40	142-71	x28-58	160-29	x33-32	180-32
x14	x11-13	62-37	x15-09	82-33	x19-05	101-85	x23-83	123-92	x27-79	145-48	x31-75	163-40	x35-71	183-82
x16	x12-70	64-15	16-66	84-68	x21-44	104-76	x26-19	127-46	x30-96	149-63	x36-53	168-07	x40-49	189-08
20x 8	15-09x 8-18	93-15	20-62x10-31	125-91	26-19x12-70	158-04	32-54x15-09	193-78	38-10x18-26	224-25	44-45x20-62	320-00	50-01x23-01	340-00
x10	x 9-27	93-15	x12-70	125-91	x15-09	158-04	x18-26	193-78	x21-44	224-25	x25-40	320-00	28-58	340-00
x12	x10-31	93-15	x14-27	125-91	x17-48	158-04	x21-44	193-78	x25-40	224-25	x28-58	320-00	x33-32	340-00
x14	x11-13	94-08	x15-09	127-17	x19-05	159-62	x23-83	195-72	x27-79	226-49	x31-75	350-00	x35-71	370-00
x16	x12-70	95-94	x16-66	129-69	x21-44	162-78	x26-19	199-59	x30-96	230-98	x36-53	350-00	x40-49	370-00
x18	x14-27	98-74	x19-05	133-46	x23-83	167-52	x29-36	205-41	x34-93	237-71	x39-67	350-00	x45-24	370-00
22x10	—	—	22-23x12-70	149-37	28-58x15-09	189-78	34-93x18-26	229-18	41-28x21-44	290-00	47-63x25-40	370-00	53-98x28-58	420-00
x12	—	—	x14-27	149-37	x17-48	189-78	x21-44	229-18	x25-40	290-00	x28-58	370-00	x33-32	420-00
x14	—	—	x15-09	149-37	x19-05	189-78	x23-83	229-18	x27-29	290-00	x31-75	370-00	x35-71	450-00
x16	—	—	x16-66	152-36	x21-44	193-58	x26-19	233-76	x30-96	320-00	x53	390-00	x40-49	465-00
x18	—	—	x19-05	155-34	x23-83	197-37	x29-36	238-35	x34-93	320-00	x39-67	390-00	x45-24	475-00
x20	—	—	x20-62	158-33	x26-19	201-18	x32-54	242-93	x38-10	320-00	x44-45	390-00	x50-01	475-00



# REDUCERS

## CONCENTRIC / ECCENTRIC

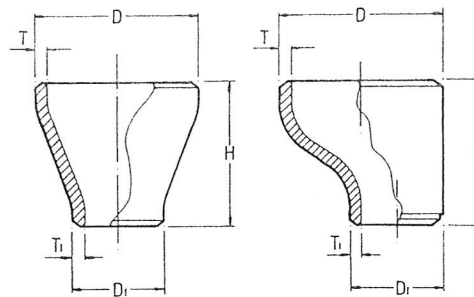
Nominal Pipe Size in.	Outside Diameter m/m		Length m/m	SCH STD		SCH XS		SCH XXS		SCH 10		SCH 20		SCH 30						
				Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg	Wall Thickness m/m	Weight kg					
	D	D <sub>1</sub>	H	T	T <sub>1</sub>		T	T <sub>1</sub>		T	T <sub>1</sub>		T	T <sub>1</sub>		T	T <sub>1</sub>			
24x10	610	x273	508	9-53	x9-27	72-60	12-70	x12-70	95-80	—	—		9-53	x 6-35	71-60	14-27	x 7-80	106-45		
x12	x324		508	x9-53		72-60	x12-70		95-80	—	—		x 6-35		71-60	x 8-38		106-45		
x14	x356		508	x9-53		72-60	x12-70		95-80	—		6-35	x6-35	53-86	x 7-92	71-60	x 9-53	106-45		
x16	x406		508	x9-53		72-60	x12-70		95-80	—		x6-35		53-86	x 7-92	71-60	x 9-53	106-45		
x18	x457		508	x9-53		74-00	x12-70		97-60	—		x6-35		54-94	x 7-92	73-03	x11-13	108-58		
x20	x508		508	x9-53		75-80	x12-70		99-90	—		x6-35		55-95	x 9-53	74-46	x12-70	110-71		
x22	x559		508	x9-53		75-80	x12-70		99-90	—		x6-35		55-95	x 9-53	74-46	x12-70	110-71		
26x12	660	x324	610	9-53	x9-53	90-70	12-70	x12-70	123-00	—	—		12-70	x 6-35	123-00	—				
x14	x356		610	x9-53		90-70	x12-70		123-00	—		7-92	x6-35	75-45	x 7-92	123-00	—			
x16	x406		610	x9-53		90-70	x12-70		123-00	—		x6-35		75-45	x 7-92	123-00	—			
x18	x457		610	x9-53		90-70	x12-70		123-00	—		x6-35		75-45	x 7-92	123-00	—			
x20	x508		610	x9-53		90-70	x12-70		123-00	—		x6-35		75-45	x 9-53	123-00	—			
x22	x559		610	x9-53		90-70	x12-70		123-00	—		x6-35		75-45	x 9-53	123-00	—			
x24	x610		610	x9-53		90-70	x12-70		123-00	—		x6-35		75-45	x 9-53	123-00	—			
28x14	711	x356	610	9-53	x9-53	95-30	12-70	x12-70	132-00	—	—	7-92	x6-35	79-30	12-70	x 7-92	131-43	15-88	x 9-53	166-03
x16	x406		610	x9-53		95-30	x12-70		132-00	—		x6-35		79-30	x 7-92	131-43	x 9-53		166-03	
x18	x457		610	x9-53		95-30	x12-70		132-00	—		x6-35		79-30	x 7-92	131-43	x11-13		166-03	
x20	x508		610	x9-53		95-30	x12-70		132-00	—		x6-35		79-30	x 9-53	131-43	x12-70		166-03	
x22	x559		610	x9-53		95-30	x12-70		132-00	—		x6-35		79-30	x 9-53	131-43	x12-70		166-03	
x24	x610		610	x9-53		95-30	x12-70		132-00	—		x6-35		79-30	x 9-53	131-43	x14-27		166-03	
x26	x660		610	x9-53		95-30	x12-70		132-00	—		x7-92		79-30	x12-70	131-43	—			
30x14	762	x356	610	9-53	x9-53	100-00	12-70	x12-70	143-00	—	—	7-92	x6-35	83-20	12-70	x 7-92	142-13	15-88	x 9-53	178-16
x16	x406		610	x9-53		100-00	x12-70		143-00	—		x6-35		83-20	x 7-92	142-13	x 9-53		178-16	
x18	x457		610	x9-53		100-00	x12-70		143-00	—		x6-35		83-20	x 7-92	142-13	x11-13		178-16	
x20	x508		610	x9-53		100-00	x12-70		143-00	—		x6-35		83-20	x 9-53	142-13	x12-70		178-16	
x22	x559		610	x9-53		100-00	x12-70		143-00	—		x6-35		83-20	x 9-53	142-13	x12-70		178-16	
x24	x610		610	x9-53		100-00	x12-70		143-00	—		x6-35		83-20	x 9-53	142-13	x14-27		178-16	
x26	x660		610	x9-53		100-00	x12-70		143-00	—		x7-92		83-20	x12-70	142-13	—			
x28	x711		610	x9-53		100-00	x12-70		143-00	—		x7-92		83-20	x12-70	142-13	x15-88		178-16	
32x16	813	x406	610	9-53	x9-53	115-00	12-70	x12-70	150-00	—	—	7-92	x6-35	95-70	12-70	x 7-92	150-00	15-88	x 9-53	190-29
x18	x457		610	x9-53		115-00	x12-70		150-00	—		x6-35		95-70	x 7-92	150-00	x11-13		190-29	
x20	x508		610	x9-53		115-00	x12-70		150-00	—		x6-35		95-70	x 9-53	150-00	x12-70		190-29	
x24	x610		610	x9-53		115-00	x12-70		150-00	—		x6-35		95-70	x 9-53	150-00	x14-27		190-29	
x26	x660		610	x9-53		115-00	x12-70		150-00	—		x7-92		95-70	x12-70	150-00	—			
x28	x711		610	x9-53		115-00	x12-70		150-00	—		x7-92		95-70	x12-70	150-00	x15-88		190-29	
x30	x762		610	x9-53		115-00	x12-70		150-00	—		x7-92		95-70	x12-70	150-00	x15-88		190-29	



# REDUCERS

## CONCENTRIC

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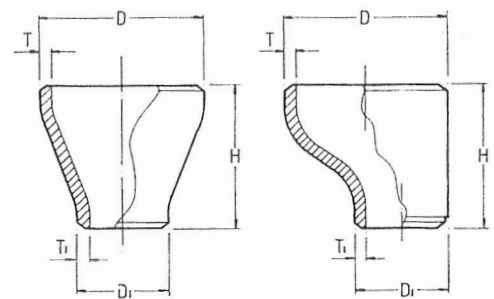


Nominal Pipe Size in.	Outside Diameter m/m		Length m/m	SCH STD			SCH XS		SCH XXS			SCH 10		SCH 20		SCH 30					
				Wall Thickness m/m	Weight kg		Wall Thickness m/m	Weight kg		Wall Thickness m/m	Weight kg		Wall Thickness m/m	Weight kg		Wall Thickness m/m	Weight kg				
	D	D <sub>1</sub>	H	T	T <sub>1</sub>		T	T <sub>1</sub>		T	T <sub>1</sub>		T	T <sub>1</sub>		T	T <sub>1</sub>		T	T <sub>1</sub>	
34x16	864	x406	610	9.53	x9.53	112.00	12.70	x12.70	157.00	—			7.92	x6.35	112.35	12.70	x 7.92	157.00	15.88	x 9.53	202.42
x18	x457		610	x9.53		112.00	x12.70		157.00	—			x6.35		112.35	x 7.92		157.00	x11.13		202.42
x20	x508		610	x9.53		112.00	x12.70		157.00	—			x6.35		112.35	x 9.53		157.00	x12.70		202.42
x22	x559		610	x9.53		112.00	x12.70		157.00	—			x6.35		112.35	x 9.53		157.00	x12.70		202.42
x24	x610		610	x9.53		112.00	x12.70		157.00	—			x6.35		112.35	x 9.53		157.00	x14.27		202.42
x26	x660		610	x9.53		112.00	x12.70		157.00	—			x7.92		112.35	x12.70		157.00	—		
x28	x711		610	x9.53		112.00	x12.70		157.00	—			x7.92		112.35	x12.70		157.00	x15.88		202.42
x30	x762		610	x9.53		112.00	x12.70		157.00	—			x7.92		112.35	x12.70		157.00	x15.88		202.42
x32	x813		610	x9.53		112.00	x12.70		157.00	—			x7.92		112.35	x12.70		157.00	x15.88		202.42
36x16	914	x406	610	9.53	x9.53	129.00	12.70	x12.70	172.00	—			7.92	x6.35	123.00	12.70	x 7.92	172.00	15.88	x 9.53	221.00
x18	x457		610	x9.53		129.00	x12.70		172.00	—			x6.35		123.00	x 7.92		172.00	x11.13		221.00
x20	x508		610	x9.53		129.00	x12.70		172.00	—			x6.35		123.00	x 9.53		172.00	x12.70		221.00
x22	x559		610	x9.53		129.00	x12.70		172.00	—			x6.35		123.00	x 9.53		172.00	x12.70		221.00
x24	x610		610	x9.53		129.00	x12.70		172.00	—			x6.35		123.00	x 9.53		172.00	x14.27		221.00
x26	x660		610	x9.53		129.00	x12.70		172.00	—			x7.92		123.00	x12.70		172.00	—		
x28	x711		610	x9.53		129.00	x12.70		172.00	—			x7.92		123.00	x12.70		172.00	x15.88		221.00
x30	x762		610	x9.53		129.00	x12.70		172.00	—			x7.92		123.00	x12.70		172.00	x15.88		221.00
x32	x813		610	x9.53		129.00	x12.70		172.00	—			x7.92		123.00	x12.70		172.00	x15.88		221.00
x34	x864		610	x9.53		129.00	x12.70		172.00	—			x7.92		123.00	x12.70		172.00	x15.88		221.00
38x18	965	x457	610	9.53	x9.53	136.00	12.70	x12.70	186.00	—			—		—	—		—	—		
x20	x508		610	x9.53		136.00	x12.70		186.00	—			—		—	—		—	—		
x24	x610		610	x9.53		136.00	x12.70		186.00	—			—		—	—		—	—		
x26	x660		610	x9.53		136.00	x12.70		186.00	—			—		—	—		—	—		
x28	x711		610	x9.53		136.00	x12.70		186.00	—			—		—	—		—	—		
x30	x762		610	x9.53		136.00	x12.70		186.00	—			—		—	—		—	—		
x32	x813		610	x9.53		136.00	x12.70		186.00	—			—		—	—		—	—		
x34	x864		610	x9.53		136.00	x12.70		186.00	—			—		—	—		—	—		
x36	x914		610	x9.53		136.00	x12.70		186.00	—			—		—	—		—	—		
40x20	1016	x508	610	9.53	x9.53	143.00	12.70	x12.70	193.00	—			—		—	—		—	—		
x22	x559		610	x9.53		143.00	x12.70		193.00	—			—		—	—		—	—		
x24	x610		610	x9.53		143.00	x12.70		193.00	—			—		—	—		—	—		
x26	x660		610	x9.53		143.00	x12.70		193.00	—			—		—	—		—	—		
x28	x711		610	x9.53		143.00	x12.70		193.00	—			—		—	—		—	—		
x30	x762		610	x9.53		143.00	x12.70		193.00	—			—		—	—		—	—		
x32	x813		610	x9.53		143.00	x12.70		193.00	—			—		—	—		—	—		
x34	x864		610	x9.53		143.00	x12.70		193.00	—			—		—	—		—	—		
x36	x914		610	x9.53		143.00	x12.70		193.00	—			—		—	—		—	—		
x38	x965		610	x9.53		143.00	x12.70		193.00	—			—		—	—		—	—		

# REDUCERS

## CONCENTRIC

## ECCENTRIC



Nominal Pipe Size in.	Outside Diameter m/m		Length 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 <sub>1</sub>	H	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>	T	T <sub>1</sub>
42x24	1067x 610	610	610	9-53x9-53	152-00	12-70x12-70	201-00	-	-	-	-	-	-	-	-
x26	x 660	610	610	x9-53	152-00	x12-70	201-00	-	-	-	-	-	-	-	-
x28	x 711	610	610	x9-53	152-00	x12-70	201-00	-	-	-	-	-	-	-	-
x30	x 762	610	610	x9-53	152-00	x12-70	201-00	-	-	-	-	-	-	-	-
x32	x 813	610	610	x9-53	152-00	x12-70	201-00	-	-	-	-	-	-	-	-
x34	x 864	610	610	x9-53	152-00	x12-70	201-00	-	-	-	-	-	-	-	-
x36	x 914	610	610	x9-53	152-00	x12-70	201-00	-	-	-	-	-	-	-	-
x38	x 965	610	610	x9-53	152-00	x12-70	201-00	-	-	-	-	-	-	-	-
x40	x1016	610	610	x9-53	152-00	x12-70	201-00	-	-	-	-	-	-	-	-
44x26	1118x 660	610	610	9-53x9-53	159-00	12-70x12-70	211-00	-	-	-	-	-	-	-	-
x28	x 711	610	610	x9-53	159-00	x12-70	211-00	-	-	-	-	-	-	-	-
x30	x 762	610	610	x9-53	159-00	x12-70	211-00	-	-	-	-	-	-	-	-
x32	x 813	610	610	x9-53	159-00	x12-70	211-00	-	-	-	-	-	-	-	-
x34	x 864	610	610	x9-53	159-00	x12-70	211-00	-	-	-	-	-	-	-	-
x36	x 914	610	610	x9-53	159-00	x12-70	211-00	-	-	-	-	-	-	-	-
x38	x 965	610	610	x9-53	159-00	x12-70	211-00	-	-	-	-	-	-	-	-
x40	x1016	610	610	x9-53	159-00	x12-70	211-00	-	-	-	-	-	-	-	-
x42	x1067	610	610	x9-53	159-00	x12-70	211-00	-	-	-	-	-	-	-	-
46x30	1168x 762	711	711	9-53x9-53	170-00	12-70x12-70	225-00	-	-	-	-	-	-	-	-
x32	x 813	711	711	x9-53	170-00	x12-70	225-00	-	-	-	-	-	-	-	-
x34	x 864	711	711	x9-53	170-00	x12-70	225-00	-	-	-	-	-	-	-	-
x36	x 914	711	711	x9-53	170-00	x12-70	225-00	-	-	-	-	-	-	-	-
x38	x 965	711	711	x9-53	170-00	x12-70	225-00	-	-	-	-	-	-	-	-
x40	x1016	711	711	x9-53	170-00	x12-70	225-00	-	-	-	-	-	-	-	-
x42	x1067	711	711	x9-53	170-00	x12-70	225-00	-	-	-	-	-	-	-	-
x44	x1118	711	711	x9-53	170-00	x12-70	225-00	-	-	-	-	-	-	-	-
48x30	1219x 762	711	711	9-53x9-53	181-00	12-70x12-70	238-00	-	-	-	-	-	-	-	-
x32	x 813	711	711	x9-53	181-00	x12-70	238-00	-	-	-	-	-	-	-	-
x34	x 864	711	711	x9-53	181-00	x12-70	238-00	-	-	-	-	-	-	-	-
x36	x 914	711	711	x9-53	181-00	x12-70	238-00	-	-	-	-	-	-	-	-
x38	x 965	711	711	x9-53	181-00	x12-70	238-00	-	-	-	-	-	-	-	-
x40	x1016	711	711	x9-53	181-00	x12-70	238-00	-	-	-	-	-	-	-	-
x42	x1067	711	711	x9-53	181-00	x12-70	238-00	-	-	-	-	-	-	-	-
x44	x1118	711	711	x9-53	181-00	x12-70	238-00	-	-	-	-	-	-	-	-
x46	x1168	711	711	x9-53	181-00	x12-70	238-00	-	-	-	-	-	-	-	-