

STAINLESS STEEL ELBOWS

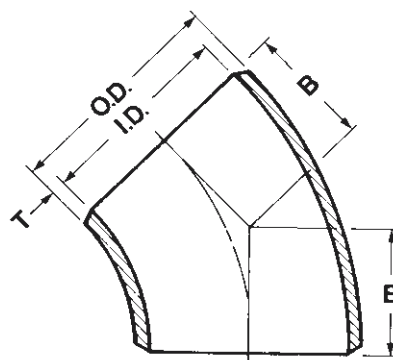
45° ELBOW

LONG RADIUS

Schedules 5S, 10S, 40S, 80S

MSS SP-43

ASME/ANSI B16.9



NPS DN	Outside Diameter O.D.	Center To End B	MSS SP-43						ANSI B16.9					
			Schedule 5S			Schedule 10S			Schedule 40S			Schedule 80S		
			Inside Diameter I.D.	Wall Thickness T	Approx. WT.	Inside Diameter I.D.	Wall Thickness T	Approx. WT.	Inside Diameter I.D.	Wall Thickness T	Approx. WT.	Inside Diameter I.D.	Wall Thickness T	Approx. WT.
1/2	.84	.62	.710	.065	.05	.674	.083	.06	.622	.109	.09	.546	.147	.19
15	21	16	18.00	1.65	.02	17.10	2.10	.03	15.80	2.75	.04	13.90	3.75	.09
3/4	1.05	*.44	.920	.065	.06	.884	.083	.08	.824	.113	.09	.742	.154	.19
20	27	*11	23.35	1.65	.03	22.45	2.10	.04	20.95	2.84	.04	18.85	3.90	.09
1	1.32	.88	1.185	.065	.14	1.097	.109	.25	1.049	.133	.25	.957	.179	.31
25	33	22	30.10	1.65	.06	27.85	2.75	.11	26.65	3.40	.11	24.30	4.55	.14
1 1/4	1.66	1.00	1.530	.065	.19	1.442	.109	.33	1.380	.140	.38	1.278	.191	.50
32	42	25	38.85	1.65	.09	36.65	2.75	.15	35.05	3.55	.17	32.45	4.85	.23
1 1/2	1.90	1.12	1.770	.065	.28	1.682	.109	.47	1.610	.145	.40	1.500	.200	.69
40	48	29	44.95	1.65	.13	42.70	2.75	.21	40.90	3.70	.18	38.10	5.10	.31
2	2.38	1.38	2.245	.065	.35	2.157	.109	.60	2.067	.154	.81	1.939	.218	1.19
50	60	35	57.00	1.65	.16	54.80	2.75	.27	52.50	3.90	.36	49.25	5.55	.54
2 1/2	2.88	1.75	2.709	.083	.69	2.635	.120	1.0	2.469	.203	1.75	2.323	.276	2.13
65	73	44	68.80	2.10	.31	66.95	3.05	.45	62.70	5.15	.8	59.00	7.00	.96
3	3.50	2.00	3.334	.083	.89	3.260	.120	1.3	3.068	.216	2.63	2.900	.300	3.5
80	89	51	84.70	2.10	.4	82.80	3.05	.6	77.95	5.50	1.2	73.65	7.60	1.6
3 1/2	4.00	2.25	3.834	.083	1.17	3.760	.120	1.7	3.548	.226	3.5	3.364	.318	4.5
90	102	57	97.40	2.10	.53	95.50	3.05	.77	90.10	5.75	1.6	85.45	8.10	2
4	4.50	2.50	4.334	.083	1.52	4.260	.120	2.2	4.026	.237	4.5	3.826	.337	6.1
100	114	64	110.10	2.10	.68	108.20	3.05	1	102.25	6.00	2	97.20	8.55	2.8
5	5.56	3.12	5.345	.109	3.09	5.295	.134	3.8	5.047	.258	7.5	4.813	.375	10.7
125	141	79	135.75	2.75	1.4	134.50	3.40	1.7	128.20	6.55	3.4	122.25	9.55	4.8
6	6.62	3.75	6.407	.109	4.5	6.357	.134	5.5	6.065	.280	12	5.761	.432	17.5
150	168	95	162.75	2.75	2	161.50	3.40	2.5	154.05	7.10	5.4	146.35	10.95	7.9
8	8.62	5.00	8.407	.109	8.1	8.329	.148	11	7.981	.322	23	7.625	.500	35
200	219	127	213.55	2.75	3.7	211.55	3.75	5	202.70	8.20	10.4	193.70	12.70	15.8
10	10.75	6.25	10.482	.134	14.6	10.420	.165	18	10.020	.365	43	9.75	.500	53
250	273	159	266.25	3.40	6.6	264.70	4.20	8	254.50	9.25	19.4	247.65	12.70	23.9
12	12.75	7.50	12.420	.156	25.5	12.390	.180	29	12.000	.375	62	11.75	.500	84
300	324	190	315.45	3.95	11.5	314.70	4.55	13	304.80	9.55	28	298.45	12.70	38

* Centre to end dimension B for NPS 3/4 (DN 20) may be 0.75 (19mm) at the manufacturer's option.