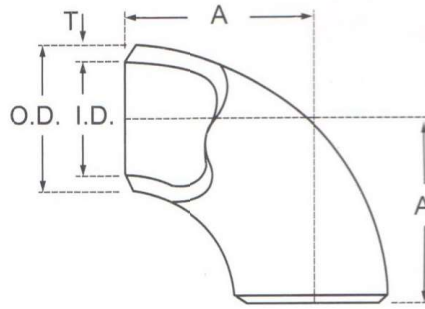


90° ELBOW LONG RADIUS

Standard, Extra Strong,
Schedule 160, Double Extra Strong
Carbon and ferritic alloy steel,
ASTM A-234
ASME/ANSI B16.9



NPS DN	Outside Diameter at Bevel O.D.	Centre to End A	STANDARD WEIGHT			EXTRA STRONG			SCHEDULE 160			DOUBLE EXTRA STRONG		
			Inside Diameter I.D.	Wall Thickness T	Approx. Weight	Inside Diameter I.D.	Wall Thickness T	Approx. Weight	Inside Diameter I.D.	Wall Thickness T	Approx. Weight	Inside Diameter I.D.	Wall Thickness T	Approx. Weight
1/2 15	.840 21	1.50 38	.622 15.80	0.109 2.77	0.2 0.09	.546 13.87	.147 3.73	0.2 .09	- -	- -	- -	- -	- -	- -
3/4 20	1.050 27	(1) 1.12 29	.824 20.93	0.113 2.87	0.3 0.14	.742 18.85	.154 3.91	0.2 .09	- -	- -	- -	- -	- -	- -
1 25	1.315 33	1.50 38	1.049 26.64	0.113 3.38	0.4 0.18	.957 24.31	.179 4.55	0.5 0.23	0.815 20.7	.250 6.35	0.6 0.27	.599 15.21	.358 9.09	0.8 0.36
1 1/4 32	1.660 42	1.88 48	1.380 35.05	0.140 3.56	0.5 0.23	1.278 32.46	.191 4.85	0.7 0.32	1.160 29.5	.250 6.35	1.0 0.45	.896 22.76	.382 9.70	1.4 0.63
1 1/2 40	1.900 48	2.25 57	1.610 40.89	0.145 3.68	0.75 0.34	1.500 38.10	.200 5.08	1.0 0.45	1.338 34.0	.281 7.14	1.8 0.81	1.100 27.94	.400 10.16	2.0 0.90
2 50	2.375 60	3.0 76	2.067 52.50	0.154 3.91	1.5 0.68	1.939 49.25	.218 5.54	2.0 0.9	1.687 42.9	.344 8.74	3.2 1.44	1.503 38.18	.436 11.07	3.8 1.71
2 1/2 65	2.875 73	3.75 95	2.469 62.71	0.203 5.16	3.0 1.35	2.323 59.00	.276 7.01	4.0 1.8	2.125 54.0	.375 9.53	6.0 2.70	1.771 44.98	.552 14.02	7.1 3.20
3 80	3.500 89	4.50 114	3.068 77.93	0.216 5.49	4.5 2.03	2.900 73.66	.300 7.62	6.0 2.7	2.624 66.7	.438 11.13	9.0 4.05	2.300 58.42	.600 15.24	11.2 5.04
(2) 3 1/2 90	4.000 102	5.25 133	3.548 90.12	0.226 5.74	6.2 2.8	3.364 85.45	.318 8.08	8.5 3.83	- -	- -	- -	(2) 2.728 69.29	(2) .636 16.15	16.2 7.3
4 100	4.500 114	6.00 152	4.026 102.26	0.237 6.02	8.5 3.8	3.826 97.18	.337 8.56	12 5.4	3.438 87.3	.531 13.49	19 8.5	3.152 80.06	.674 17.12	21.2 9.5
5 125	5.563 141	7.50 190	5.047 128.19	0.258 6.55	14.2 6.4	4.813 122.25	.375 9.53	20 9.0	4.313 109.6	.625 15.88	33 15	4.063 103.20	.750 19.05	38 17
6 150	6.625 168	9.00 229	6.065 154.05	0.280 7.11	23 10.4	5.761 146.33	.432 10.97	32 14	5.187 131.8	.719 18.26	59 27	4.897 124.38	.864 21.95	63 28
8 200	8.625 219	12.00 305	7.981 202.72	0.322 8.18	45 20	7.625 193.68	.500 12.70	68 3	6.813 173.05	.906 23.01	127 57	6.875 174.63	.875 22.23	120 54
10 250	10.750 273	15.00 381	10.02 254.5	0.365 9.27	78 35	9.750 247.65	.500 12.70	112 50	8.500 215.90	1.125 28.58	270 122			
12 300	12.750 324	18.00 457	12.00 304.8	0.375 9.53	118 53	11.750 298.45	.500 12.70	150 68	10.126 257.20	1.312 33.53	460 207			
14 350	14.000 356	21.0 533	13.25 336.6	0.375 9.53	147 66	13.00 330.2	.500 12.70	192 86	11.188 284.18	1.406 35.71	563 253			
16 400	16.000 406	24.0 610	15.25 386.1	0.375 9.53	202 91	15.00 381.0	.500 12.70	253 115	12.812 325.42	1.594 40.49	825 371			
18 450	18.000 457	27.0 686	17.25 438.2	0.375 9.53	256 115	17.00 431.8	.500 12.70	325 147						
20 500	20.000 508	30.0 762	19.25 489.0	0.375 9.53	310 139	19.00 482.6	.500 12.70	420 189						
22 550	22.000 559	33.0 838	21.25 539.8	0.375 9.53	394 177	21.00 533.4	.500 12.70	520 234						
24 600	24.000 616	36.0 914	23.25 590.6	0.375 9.53	446 201	23.00 584.2	.500 12.70	606 273						
26 650	26.000 660	39.0 991	25.25 641.4	0.375 9.53	550 247	25.00 635.0	.500 12.70	729 328						
30 750	30.000 762	45.0 1143	29.25 743.0	0.375 9.53	736 331	29.00 736.6	.500 12.70	953 429						
36 900	36.000 914	54.0 1372	35.25 895.4	0.375 9.53	1062 478	35.00 889.0	.500 12.70	1422 635						
42 ^Δ 1100	42.000 1067	63.0 1600	41.25 1047.8	0.375 9.53	1370 616	41.00 1041.1	.500 12.70	1890 820						

(1) May be furnished as 1.5 in (38mm) at the manufacturer's option.
 (2) 3-1/2XXS is not specified in ASME/ANSI B36.10M.
 (Δ) Produced from X-rayed, stress-relieved welded pipe. Welds are 100% radiographed in accordance with the requirements of ASME Boiler & Pressure Vessel Code.
 These fittings are also available in other sizes and/or wall thicknesses.

INCHES	POUNDS
MILLIMETRES	KILOGRAMS