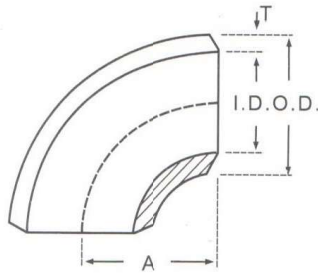


90° ELBOWS SHORT RADIUS

Standard, Weight, Extra Strong,
and Double Extra Strong
Carbon and ferritic alloy steel,
ASME/ANSI B16.28,
ASTM A-234



NPS DN	Outside Diameter at Bevel O.D.	Centre to End Nominal A	STANDARD WEIGHT			EXTRA STRONG			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
1 25	1.315 33	1.0 25	1.049 26.64	.133 3.38	.25 .11	- -	- -	- -	- -	- -	- -
1 1/4 32	1.660 42	1.25 32	1.380 35.05	.140 3.56	.38 .17	- -	- -	- -	- -	- -	- -
1 1/2 40	1.900 48	1.5 38	1.610 40.89	.145 3.68	.50 .23	1.500 38.10	.200 5.08	.75 .34	1.100 27.94	.400 10.16	1.5 .68
2 50	2.375 60	2.0 51	2.067 52.50	.154 3.91	.88 .40	1.939 49.25	.218 5.54	1.50 .68	1.503 38.13	.436 11.07	2.8 1.26
2 1/2 65	2.875 73	2.5 64	2.469 62.71	.203 5.16	1.75 79	2.323 59.00	.276 7.01	2.25 1.01	1.771 44.98	.552 14.02	4.9 2.21
3 80	3.500 89	3.0 76	3.068 77.93	.216 5.49	3.00 1.35	2.900 73.66	.300 7.62	3.75 1.69	2.300 58.42	.600 15.24	7.0 3.15
3 1/2 90	4.000 102	3.5 89	3.548 90.12	.226 5.74	4.00 1.80	3.364 85.45	.318 8.08	5.50 2.48	⁽¹⁾ 2.728 69.29	⁽¹⁾ .636 16.15	10.5 4.73
4 100	4.500 114	4.0 102	4.026 102.26	.237 6.02	6.00 2.70	3.826 97.18	.337 8.56	7.75 3.5	3.152 80.06	.674 17.12	14.1 6.35
5 125	5.563 141	5.0 127	5.047 128.19	.258 6.55	9.5 4.28	4.813 122.25	.375 9.53	13.5 6.1	4.063 103.20	.750 19.05	26 12
6 150	5.625 168	6.0 152	6.065 154.05	.280 7.11	15.5 7	5.761 146.33	.432 10.97	22.5 10.1	4.897 124.38	.864 21.95	43 19.4
8 200	8.625 219	8.0 203	7.981 202.72	.322 8.18	31 14	7.625 193.68	.500 12.70	46 21	6.875 174.63	.875 22.23	80 36
10 250	10.750 273	10.0 254	10.02 254.5	.365 9.27	55 25	9.750 147.65	.500 12.70	71 32			
12 300	12.750 324	12.0 305	12.00 304.8	.375 9.53	78 35	11.750 298.45	.500 12.70	100 45			
14 350	14.000 356	14.0 356	13.25 336.6	.375 9.53	104 47	13.00 330.02	.500 12.70	132 59			
16 400	16.000 406	16.0 406	15.25 387.4	.375 9.35	118 53	15.00 381.0	.500 12.70	160 72			
18 450	18.000 457	18.0 457	17.25 438.2	.375 9.53	148 67	17.00 431.8	.500 12.70	160 87			
20 500	20.000 508	20.0 508	19.25 489.0	.375 9.53	210 95	19.00 482.6	.500 12.70	280 126			
24 600	24.000 610	24.0 610	23.25 590.6	.375 9.53	288 130	23.00 584.2	.500 12.70	370 167			
⁽²⁾ 30	30.000	30.0	29.25	.375	480	29.00	.500	634			
⁽²⁾ 750	762	762	743.0	9.53	216	736.6	12.70	285			
⁽²⁾ 36	36.000	36.0	35.25	.375	695	35.00	.500	940			
⁽²⁾ 900	914	914	895.4	9.53	313	889.0	12.70	423			

(1) NPS 3-1/2 (DN 90) XXS is not specified in ASME/ANSI B36.10.

(2) These sizes not covered in ASME/ANSI B16.28.

These fittings are also available in other sizes and/or wall thicknesses.

INCHES	POUNDS
MILLIMETRES	KILOGRAMS