

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	1.315	1.0	1.049	.133	.25	-	-	-	-	-	-
25	33	25	26.64	3.38	.11	-	-	-	-	-	-
1 1/4	1.660	1.25	1.380	.140	.38	-	-	-	-	-	-
32	42	32	35.05	3.56	.17	-	-	-	-	-	-
1 1/2	1.900	1.5	1.610	.145	.50	1.500	.200	.75	1.100	.400	1.5
40	48	38	40.89	3.68	.23	38.10	5.08	.34	27.94	10.16	.68
2	2.375	2.0	2.067	.154	.88	1.939	.218	1.50	1.503	.436	2.8
50	60	51	52.50	3.91	.40	49.25	5.54	.68	38.13	11.07	1.26
2 1/2	2.875	2.5	2.469	.203	1.75	2.323	.276	2.25	1.771	.552	4.9
65	73	64	62.71	5.16	.79	59.00	7.01	1.01	44.98	14.02	2.21
3	3.500	3.0	3.068	.216	3.00	2.900	.300	3.75	2.300	.600	7.0
80	89	76	77.93	5.49	1.35	73.66	7.62	1.69	58.42	15.24	3.15
3 1/2	4.000	3.5	3.548	.226	4.00	3.364	.318	5.50	⁽¹⁾ 2.728	⁽¹⁾ .636	10.5
90	102	89	90.12	5.74	1.80	85.45	8.08	2.48	69.29	16.15	4.73
4	4.500	4.0	4.026	.237	6.00	3.826	.337	7.75	3.152	.674	14.1
100	114	102	102.26	6.02	2.70	97.18	8.56	3.5	80.06	17.12	6.35
5	5.563	5.0	5.047	.258	9.5	4.813	.375	13.5	4.063	.750	26
125	141	127	128.19	6.55	4.28	122.25	9.53	6.1	103.20	19.05	12
6	6.625	6.0	6.065	.280	15.5	5.761	.432	22.5	4.897	.864	43
150	168	152	154.05	7.11	7	146.33	10.97	10.1	124.38	21.95	19.4
8	8.625	8.0	7.981	.322	31	7.625	.500	46	6.875	.875	80
200	219	203	202.72	8.18	14	193.68	12.70	21	174.63	22.23	36
10	10.750	10.0	10.02	.365	55	9.750	.500	71			
250	273	254	254.5	9.27	25	147.65	12.70	32			
12	12.750	12.0	12.00	.375	78	11.750	.500	100			
300	324	305	304.8	9.53	35	298.45	12.70	45			
14	14.000	14.0	13.25	.375	104	13.00	.500	132			
350	356	356	336.6	9.53	47	330.02	12.70	59			
16	16.000	16.0	15.25	.375	118	15.00	.500	160			
400	406	406	387.4	9.53	53	381.0	12.70	72			
18	18.000	18.0	17.25	.375	148	17.00	.500	160			
450	457	457	438.2	9.53	67	431.8	12.70	87			
20	20.000	20.0	19.25	.375	210	19.00	.500	280			
500	508	508	489.0	9.53	95	482.6	12.70	126			
24	24.000	24.0	23.25	.375	288	23.00	.500	370			
600	610	610	590.6	9.53	130	584.2	12.70	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