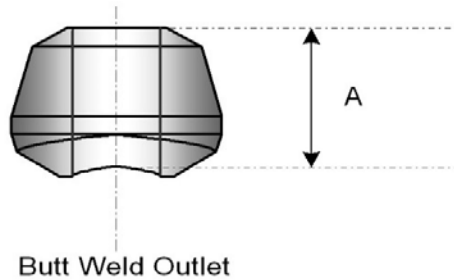


# Height Dimensions of Butt Weld Outlets- MSS SP-97



Outlet Size NPS	Face of Fitting to Crotch- A <sup>(1)</sup>					
	Standard		Extra Heavy		Schedule 160	
	Reducing	Full	Reducing	Full	Reducing	Full
1/8	0.62	...	0.62	...	...	...
1/4	0.62	...	0.62	...	...	...
3/8	0.75	...	0.75	...	...	...
1/2	0.75	0.75	0.75	0.75	1.12	1.12
3/4	0.88	0.88	0.88	0.88	1.25	1.25
1	1.06	1.06	1.06	1.06	1.50	1.50
1 1/4	1.25	1.25	1.25	1.25	1.75	1.75
1 1/2	1.31	1.31	1.31	1.31	2.00	2.00
2	1.50	1.50	1.50	1.50	2.18	2.18
2 1/2	1.62	1.62	1.62	1.62	2.44	2.44
3	1.75	1.75	1.75	1.75	2.88	2.88
3 1/2	1.88	2.00	1.88	2.00	...	...
4	2.00	2.00	2.00	2.00	3.31	3.31
5	2.25	2.25	2.25	2.25	3.69	3.69
6	2.38	2.38	3.06	3.06	4.12	4.12
8	2.75	2.75	3.88	3.88	...	...
10	3.06	3.06	3.69	3.50	...	...
12	3.38	3.38	4.06	3.94	...	...
14	3.50	3.50	3.94	4.12	...	...
16	3.69	3.69	4.18	4.44	...	...
18	3.81	4.06	4.38	4.69	...	...
20	4.00	4.62	4.69	5.00	...	...
24	4.56	5.38	5.50	5.50	...	...

All dimensions are given in inches.

Notes:

(1) Tolerances: NPS 1/8 - 3/4 +/- .03"

NPS 1 - 4 +/- 0.6"

NPS 5 - 12 +/- .12"

NPS 14 - 24 +/- .19"

**Trans Am**  
Piping Products Ltd.