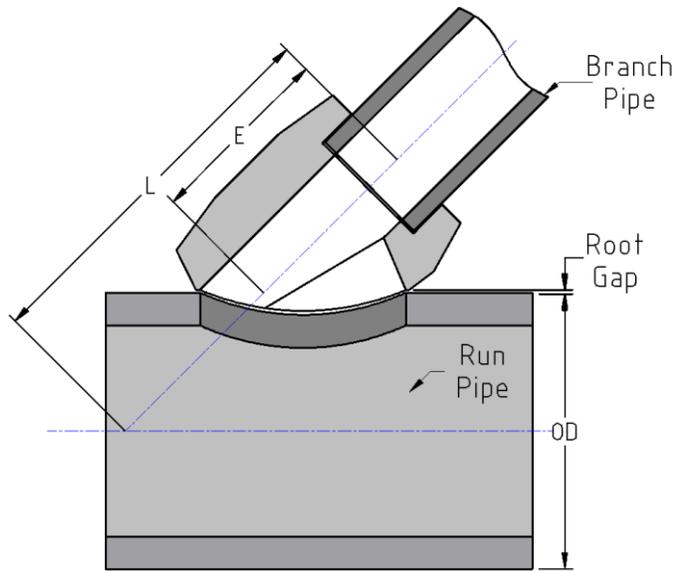


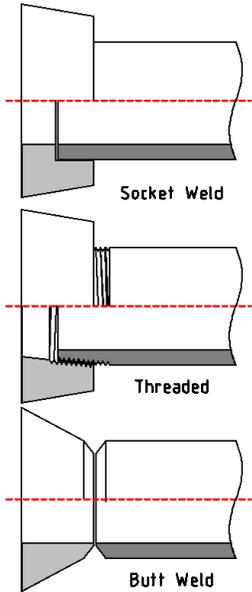


Lateral Outlets  
**Forged Steel**  
Inches / Pounds



$$L = E + 1.414(OD/2 + \text{Root Gap})$$

Outlet End Options



Outlet Size (NPS)	STD		XH		Class 3000		Class 6000	
	E	LBS	E	LBS	E	LBS	E	LBS
1/4	1.63	0.21	1.63	0.25	1.59	0.23	1.81	0.54
3/8	1.63	0.29	1.63	0.31	1.63	0.37	1.81	0.82
1/2	1.63	0.4	1.63	0.45	1.63	0.45	2.13	1
3/4	1.88	0.75	1.88	0.9	1.88	0.7	2.44	1.4
1	2.25	1.3	2.25	1.4	2.25	1.4	2.78	2.6
1 1/4	2.50	1.8	2.50	2.0	2.50	2.0	3.00	3.4
1 1/2	2.69	2.1	2.69	2.3	2.69	2.6	3.31	5.6
2	3.13	3.6	3.13	4.0	3.13	4.9	4.06	9.4
2 1/2	3.44	4.4	3.44	4.9	3.44	5.5	5.13	18
3	3.91	6.5	3.91	7.5	4.38	11		
4	4.75	14	4.75	14	5.13	16		
6	6.38	33	7.06	41				
8	7.75	53	9.13	88				
10	9.19	99	10.50	157				
12	10.88	167	12.06	261				

\* Dimensions conform to ASME B31.1 and MSS-SP-97.