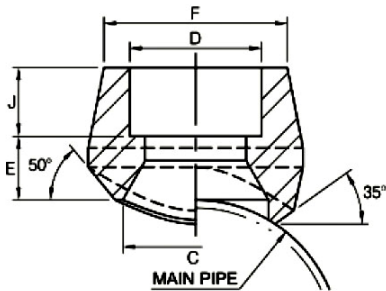
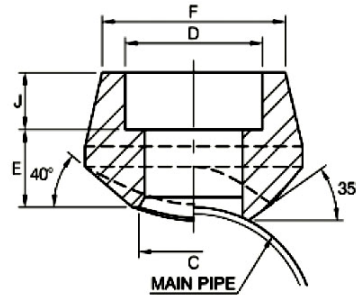


Branch Outlet Socket Weld

Reducing Sizes MSS-SP-97-2006



REDUCING WAY



STRAIGHT WAY

Out-Let Pipe NPS	Reducing Way									
	C		D		F		J (Min)		E (Min)	
	3000	6000	3000	6000	3000	6000	3000	6000	3000	6000
1/8"	13.7		10.8		22.0		9.7		10.4	
1/4"	13.7		14.2		22.0		9.7		10.4	
3/8"	19.1		17.6		25.9		9.7		12.7	
1/2"	21.3	16.6	21.8	21.8	31.4	38.0	9.7	9.7	16.0	23.9
3/4"	26.7	21.2	27.2	27.2	37.1	44.0	12.7	12.7	16.0	25.4
1"	33.4	27.0	33.9	33.9	45.5	57.0	12.7	12.7	22.4	28.7
1-1/4"	42.2	35.8	42.7	42.7	57.0	64.0	12.7	12.7	22.4	30.2
1-1/2"	48.3	41.2	48.8	48.8	64.0	76.0	12.7	12.7	23.9	31.8
2"	60.3	51.6	61.2	61.2	76.0	92.0	15.8	15.8	23.9	36.6
2-1/2"	73.2		73.9		92.0		15.8		25.4	
3"	88.9		89.8		109.2		15.8		30.2	
4"	114.3		115.2		140.0		19.1		30.2	

Out-Let Pipe NPS	Straight Way				
	C	D	F	J (Min)	E (Min)
	3000				
1/8"					
1/4"	11.5	14.2	22.0	9.7	10.4
3/8"	14.5	17.6	25.9	9.7	12.7
1/2"	16.5	21.8	31.4	9.7	16.0
3/4"	21.5	27.2	37.1	12.7	16.0
1"	27.2	33.9	45.5	12.7	22.4
1-1/4"	36.0	42.7	57.0	12.7	22.4
1-1/2"	42.0	48.8	64.0	12.7	23.9
2"	53.0	61.2	76.0	15.8	23.9
2-1/2"	65.0	73.9	92.0	15.8	25.4
3"	80.0	89.8	109.2	15.8	30.2
4"	104.0	115.2	140.0	19.1	30.2

- (1) Dimensions in Millimeters.
- (2) Socket in accordance with ASME B16.11
- (3) 3000LBS outlet size 4 and less fit a number of run pipe sizes and the fitting are marked accordingly.

Conventional Run Size Combinations

		OUTLET SIZE										
		1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
RUN SIZE (Main Pipe)	Reducing way	3/8"~3/4" 1"~36"	1/2" 3/4"~1-1/4" 1-1/2"~36"	3/4" 1" 1-1/4" 1-1/2"~3" 3-1/2"~36"	1" 1-1/4" 1-1/2" 2"~3" 3-1/2"~6" 8"~36"	1-1/4" 1-1/2" 2" 2-1/2" 3" 3-1/2"~4" 5"~10" 12"~36"	1-1/2" 2" 2-1/2" 3" 3-1/2"~5" 6"~8" 10"~36"	2" 2-1/2" 3" 3-1/2" 4"~5" 6"~10" 12"~36"	2-1/2" 3" 3-1/2" 4" 5"~6" 8"~10" 12"~18" 20"~36"	3" 3-1/2" 4" 5" 6" 8" 10"~14" 16"~36"	3-1/2" 4" 5" 6" 8" 10" 12"~16" 18"~36"	5" 6" 8" 10" 12"~14" 16"~18" 20"~24" 26"~36"
	Straight way	3/8"~36"	1/2"~36"	3/4"~36"	1"~36"	1-1/4"~1-1/2" 2"~36"	1-1/2" 2"~3" 3-1/2"~36"	2" 2-1/2"~4" 5"~36"	2-1/2" 3" 3-1/2"~4" 5"~8" 10"~36"	3" 3-1/2"~4" 5"~8" 10"~36"	3-1/2" 4" 5" 6" 8"~12" 14"~36"	5" 6" 8" 10" 12"~16" 18"~36"

Each charted outlet size is designed to fit a number of run pipe size.