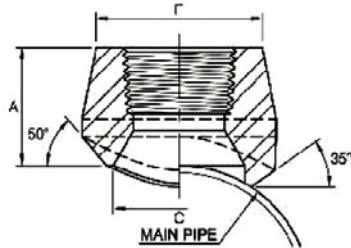
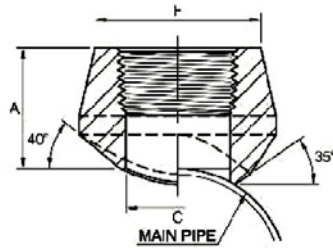


Branch Outlet Threaded

Reducing Sizes MSS-SP-97-2006



REDUCING WAY



STRAIGHT WAY

Out-Let Pipe NPS (in)	Reducing Way					
	A		C		F	
	3000lb (Sch80)	6000lb (Sch160)	3000lb (Sch80)	6000lb (Sch160)	3000lb (Sch80)	6000lb (Sch160)
1/8"	19.0		13.7		17.3	
1/4"	19.0		13.7		22.0	
3/8"	21.0		17.1		25.8	
1/2"	25.0	32.0	21.3	16.6	31.3	33.9
3/4"	27.0	37.0	26.7	21.2	37.1	41.2
1"	33.0	40.0	33.4	27.0	45.5	49.9
1-1/4"	33.0	41.0	42.2	35.8	57.0	58.6
1-1/2"	35.0	43.0	48.3	41.2	64.0	66.7
2"	38.0	52.0	60.3	51.6	76.0	83.2
2-1/2"	46.0		73.0		92.0	
3"	51.0		88.9		109.2	
4"	57.0		114.3		140.0	

Out-Let Pipe NPS (in)	Straight Way		
	A	C	F
	3000lb		
1/8"			
1/4"	19.0	11.5	22.0
3/8"	21.0	14.5	25.9
1/2"	25.0	16.5	31.4
3/4"	27.0	21.5	37.1
1"	33.0	27.2	45.5
1-1/4"	33.0	36.0	57.0
1-1/2"	35.0	42.0	64.0
2"	38.0	53.0	76.0
2-1/2"	46.0	65.0	92.0
3"	51.0	80.0	109.2
4"	57.0	104.0	140.0

(1) Dimensions in Millimeters.

(2) Thread in accordance with ASME B1.20.1

(3) 3000LBS outlet size 4 and less fit a number of run pipe sizes and the fitting are marked accordingly.

Dimensional Tolerance of MSS SP-97-2006

Item	1/8" to 3/4"	1" to 4"
Face of fitting to crotch (A)	± 0.76	± 1.52

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"	4" 5" 6" 8" 10" 12"~16" 20"~24" 26"~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"~6" 8"~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.