



# SWAGED NIPPLE

MSS SP-95-2014

(Continued)

Dimensions are in millimeters.

Nom. Pipe Size	Outside Diameter		End to End "A"	Wall Thickness							
	Large End D1	Small End D2		T1				T2			
				Sch40 (STD)	Sch80 (XS)	Sch160	XXS	Sch40 (STD)	Sch80 (XS)	Sch160	XXS
2-1/2 × 1-1/4	73.0	42.2	178	5.2	7.0	9.5	14.0	3.6	4.9	6.4	9.7
2-1/2 × 1-1/2	73.0	48.3	178	5.2	7.0	9.5	14.0	3.7	5.1	7.1	10.2
2-1/2 × 2	73.0	60.3	178	5.2	7.0	9.5	14.0	3.9	5.5	8.7	11.1
3 × 1/8	88.9	10.3	203	5.5	7.6	11.1	15.2	1.7	2.4	—	—
3 × 1/4	88.9	13.7	203	5.5	7.6	11.1	15.2	2.2	3.0	—	—
3 × 3/8	88.9	17.1	203	5.5	7.6	11.1	15.2	2.3	3.2	—	—
3 × 1/2	88.9	21.3	203	5.5	7.6	11.1	15.2	2.8	3.7	4.8	7.5
3 × 3/4	88.9	26.7	203	5.5	7.6	11.1	15.2	2.9	3.9	5.6	7.8
3 × 1	88.9	33.4	203	5.5	7.6	11.1	15.2	3.4	4.5	6.4	9.1
3 × 1-1/4	88.9	42.2	203	5.5	7.6	11.1	15.2	3.6	4.9	6.4	9.7
3 × 1-1/2	88.9	48.3	203	5.5	7.6	11.1	15.2	3.7	5.1	7.1	10.2
3 × 2	88.9	60.3	203	5.5	7.6	11.1	15.2	3.9	5.5	8.7	11.1
3 × 2-1/2	88.9	73.0	203	5.5	7.6	11.1	15.2	5.2	7.0	9.5	14.0
3-1/2 × 1/8	101.6	10.3	203	5.7	8.1	—	—	1.7	2.4	—	—
3-1/2 × 1/4	101.6	13.7	203	5.7	8.1	—	—	2.2	3.0	—	—
3-1/2 × 3/8	101.6	17.1	203	5.7	8.1	—	—	2.3	3.2	—	—
3-1/2 × 1/2	101.6	21.3	203	5.7	8.1	—	—	2.8	3.7	4.8	7.5
3-1/2 × 3/4	101.6	26.7	203	5.7	8.1	—	—	2.9	3.9	5.6	7.8
3-1/2 × 1	101.6	33.4	203	5.7	8.1	—	—	3.4	4.5	6.4	9.1
3-1/2 × 1-1/4	101.6	42.2	203	5.7	8.1	—	—	3.6	4.9	6.4	9.7
3-1/2 × 1-1/2	101.6	48.3	203	5.7	8.1	—	—	3.7	5.1	7.1	10.2
3-1/2 × 2	101.6	60.3	203	5.7	8.1	—	—	3.9	5.5	8.7	11.1
3-1/2 × 2-1/2	101.6	73.0	203	5.7	8.1	—	—	5.2	7.0	9.5	14.0
3-1/2 × 3	101.6	88.9	203	5.7	8.1	—	—	5.5	7.6	11.1	15.2
4 × 1/4	114.3	13.7	229	6.0	8.6	13.5	17.1	2.2	3.0	—	—
4 × 3/8	114.3	17.1	229	6.0	8.6	13.5	17.1	2.3	3.2	—	—
4 × 1/2	114.3	21.3	229	6.0	8.6	13.5	17.1	2.8	3.7	4.8	7.5
4 × 3/4	114.3	26.7	229	6.0	8.6	13.5	17.1	2.9	3.9	5.6	7.8
4 × 1	114.3	33.4	229	6.0	8.6	13.5	17.1	3.4	4.5	6.4	9.1
4 × 1-1/4	114.3	42.2	229	6.0	8.6	13.5	17.1	3.6	4.9	6.4	9.7
4 × 1-1/2	114.3	48.3	229	6.0	8.6	13.5	17.1	3.7	5.1	7.1	10.2
4 × 2	114.3	60.3	229	6.0	8.6	13.5	17.1	3.9	5.5	8.7	11.1
4 × 2-1/2	114.3	73.0	229	6.0	8.6	13.5	17.1	5.2	7.0	9.5	14.0
4 × 3	114.3	88.9	229	6.0	8.6	13.5	17.1	5.5	7.6	11.1	15.2
4 × 3-1/2	114.3	101.6	229	6.0	8.6	13.5	17.1	5.7	8.1	—	—

(1) Wall Thickness (T1, T2) in accordance with ASME B36.10M.

PBE: PLAIN BOTH ENDS  
PSE: PLAIN SMALL END  
PLE: PLAIN LARGE END

BBE: BEVEL BOTH ENDS  
BSE: BEVEL SMALL END  
BLE: BEVEL LARGE END

TBE: THREAD BOTH ENDS  
TSE: THREAD SMALL END  
TLE: THREAD LARGE END

## DIMENSIONAL TOLERANCES OF SWAGED NIPPLES

MSS SP-95-2014

Unit : mm

Nominal Pipe Size (Inch)	Overall Length	Outside Diameter at End		Fitting Wall Thickness (see Note 1)
		Square Cut Ends	Other End Connections	
1/8 ~ 3/8	±1.5	+0.4 -0.8	±0.8	Not less than 87.5% of Nominal Wall Thickness
1/2 ~ 1-1/2	±1.5	+0.4 -0.8	+1.5 -0.8	
2 ~ 2-1/2	±3.0	±0.8	+1.5 -0.8	
3 ~ 4	±3.0	±0.8	±1.5	

Note 1 : Prior to threading or grooving.