STAINLESS STEEL NIPPLE ASTM A312 304 316 NPT ASTM A733 SCH 40S / SCH 80S

Standards
Threaded NPT ASME/ANSI B1.20.1
Material ASTM A312

For nipples ASTM A733

Tolerances
Nipples with lengths up trough 12 inch (304.8 mm) log shall have a length tolerance of +- 1/6 inch (1.6mm). Nipples over 12 inch long shave have a tolerance of +- 1/8 inch (3.2 mm).

Minimun wall thickness -12.5% from nominal.

NOMINAL PIPE SIZE	OUTSIDE DIAMETER	SCH-40S Nominal Wall Thickness	SCH-80S Nominal Wall Thickness
inch	mm	mm	mm
1/4	13.7	2.24	3.02
3/8	17.1	2.31	3.20
1/2	21.3	2.77	3.73
3/4	26.7	2.87	3.91
1	33.4	3.38	4.55
1 1/4	42.2	3.56	4.85
1 1/2	48.3	3.68	5.08
2	60.3	3.91	5.54
2 1/2	73.0	5.16	7.01
3	88.9	5.49	7.62
3 1/2	101.6	5.74	8.08
4	114.3	6.02	8.56
5	141.3	6.55	9.53
6	168.3	7.11	10.97
8	219.1	8.18	12.70
10	273.0	9.27	12.70
12	323.8	9.53	12.70

PIPE NIPPLES BY LENGTH AND NOMINAL PIPE SIZE

TYPE OF NIPPLE / LENGTH OF NIPPLE	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8	10	12
CLOSE	3/4	7/8	1	1 1/8	1 3/8	1 1/2	1 5/8	1 3/4	2	2 1/2	2 5/8	2 3/4	2 7/8	3	3 1/8	3 1/2	3 7/8	4 1/2
	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2													
	2	2	2	2	2	2	2	2										
	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2									
	3	3	3	3	3	3	3	3	3	3	3							
	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2							
	4	4	4	4	4	4	4	4	4	4	4	4	4					
	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2			
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16