



# BLACK STEEL AND GALVANIZED NIPPLE ISO 65 SERIE I (STANDARD) ERW ASTM A733



### Standards

Threaded NPT ASME/ANSI B1.20.1  
 Pipe manufacture ISO 65 SERIE I  
 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).  
 Minimum wall thickness -12.5% from nominal.

NOMINAL PIPE SIZE	OUTSIDE DIAMETER	ISO 65 SERIE I
		Nominal Wall Thickness
inch	mm	mm
1/4	13.7	2.0
3/8	17.1	2.0
1/2	21.3	2.3
3/4	26.7	2.3
1	33.4	2.9
1 1/4	42.2	2.9
1 1/2	48.3	2.9
2	60.3	3.2
2 1/2	73.0	3.2
3	88.9	3.6
4	114.3	4.0

## PIPE NIPPLES BY LENGTH AND NOMINAL PIPE SIZE

TYPE OF NIPPLE	NPS Designator																		
	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	
	Pipe Nipple Lengths, inch																		
<b>CLOSE</b>	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	
<b>LENGTH OF NIPPLE</b>	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 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	
	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	5 1/2	
	6	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	7
	8	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	9
	10	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	11
	12	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	13	
14	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	15	
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	