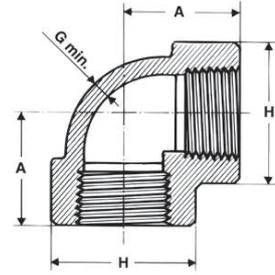


90° Elbow

Class 3000 lbs. – 6000 lbs.

Dimensions: ASME B 16.11

Thread: ASME B 1.20.1



Nominal pipe size	3000						6000					
	A		H		G		A		H		G	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
1/4	0.97	25	1.00	25	0.130	3,30	1.12	28	1.31	33	0.260	6,60
3/8	1.12	28	1.31	33	0.138	3,51	1.31	33	1.50	38	0.275	6,98
1/2	1.31	33	1.50	38	0.161	4,09	1.50	38	1.81	46	0.321	8,15
3/4	1.50	38	1.81	46	0.170	4,32	1.75	44	2.19	56	0.336	8,53
1	1.75	44	2.19	56	0.196	4,98	2.00	51	2.44	62	0.391	9,93
1 1/4	2.00	51	2.44	62	0.208	5,28	2.38	60	2.97	75	0.417	10,59
1 1/2	2.38	60	2.97	75	0.219	5,56	2.50	64	3.31	84	0.436	11,07
2	2.50	64	3.31	84	0.281	7,14	3.25	83	4.00	102	0.476	12,09
2 1/2	3.25	83	4.00	102	0.301	7,65	3.75	95	4.75	121	0.602	15,29
3	3.75	95	4.75	121	0.348	8,84	4.19	106	5.75	146	0.655	16,64
4	4.50	114	6.00	152	0.440	11,18	4.50	114	6.00	152	0.735	18,67

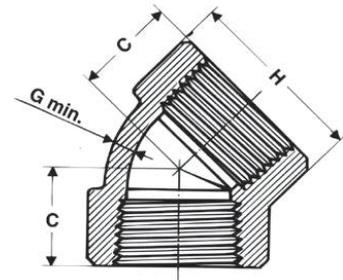
5" and 6" Available on request (Forgings available from stock) Manufacturer standard

45° Elbow

Class 3000 lbs. – 6000 lbs.

Dimensions: ASME B 16.11

Thread: ASME B 1.20.1



Nominal pipe size	3000						6000					
	A		H		G		A		H		G	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
1/4	0.75	19	1.00	25	0.130	3,30	0.88	22	1.31	33	0.260	6,60
3/8	0.88	22	1.31	33	0.138	3,51	1.00	25	1.50	38	0.275	6,98
1/2	1.00	25	1.50	38	0.161	4,09	1.12	28	1.81	46	0.321	8,15
3/4	1.12	28	1.81	46	0.170	4,32	1.31	33	2.19	56	0.336	8,53
1	1.31	33	2.19	56	0.196	4,98	1.38	35	2.44	62	0.391	9,93
1 1/4	1.38	35	2.44	62	0.208	5,28	1.69	43	2.97	75	0.417	10,59
1 1/2	1.69	43	2.97	75	0.219	5,56	1.72	44	3.31	84	0.436	11,07
2	1.72	44	3.31	84	0.281	7,14	2.06	52	4.00	102	0.476	12,09
2 1/2	2.06	52	4.00	102	0.301	7,65	2.50	64	4.75	121	0.602	15,29
3	2.50	64	4.75	121	0.348	8,84	3.12	79	5.75	146	0.655	16,64
4	3.12	79	6.00	152	0.440	11,18	3.12	79	6.00	152	0.735	18,67

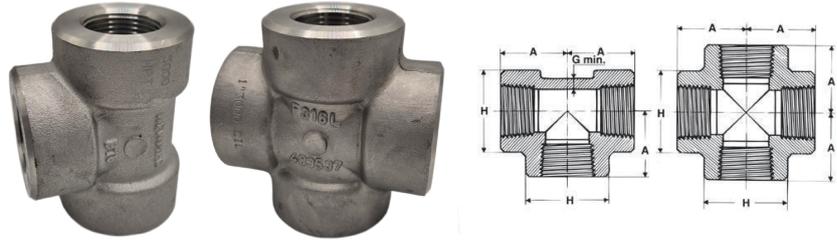
5" and 6" Available on request (Forgings available from stock) Manufacturer standard

Tee Cross

Class 3000 lbs. - 6000 lbs.

Dimensions: ASME B 16.11

Thread: ASME B 1.20.1



Nominal pipe size	3000						6000					
	A		H		G		A		H		G	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
1/4	0.97	25	1.00	25	3,30	3,30	1.12	29	1.31	33	0.260	6,60
3/8	1.12	29	1.31	33	3,51	3,51	1.31	33	1.50	38	0.275	6,98
1/2	1.31	33	1.50	38	4,09	4,09	1.50	38	1.81	46	0.321	8,15
3/4	1.50	38	1.81	46	4,32	4,32	1.75	44	2.19	56	0.336	8,53
1	1.75	44	2.19	56	4,98	4,98	2.00	51	2.44	62	0.391	9,93
1 1/4	2.00	51	2.44	62	5,28	5,28	2.38	60	2.97	75	0.417	10,59
1 1/2	2.38	60	2.97	75	5,56	5,56	2.50	64	3.31	84	0.436	11,07
2	2.50	64	3.31	84	7,14	7,14	3.25	83	4.00	102	0.476	12,09
2 1/2	3.25	83	4.00	102	7,65	7,65	3.75	95	4.75	121	0.602	15,29
3	3.75	95	4.75	121	8,84	8,84	4.19	106	5.75	146	0.655	16,64
4	4.50	114	6.00	152	11,18	11,18	4.50	114	6.00	152	0.735	18,67

5" and 6" Available on request (Forgings available from stock) Manufacturer standard

Red. Tees & Red. Crosses – refer to page 69

Coupling Half-Coupling

Class 3000 lbs. - 6000 lbs.

Dimensions: ASME B 16.11

Thread: ASME B 1.20.1



Nominal pipe size	3000				6000			
	A		G		A		G	
	inches	mm	inches	mm	inches	mm	inches	mm
1/4	1.38	35	0.75	19	1.38	35	1.00	25
3/8	1.50	38	0.88	22	1.50	38	1.25	32
1/2	1.88	48	1.12	28	1.88	48	1.50	38
3/4	2.00	51	1.38	35	2.00	51	1.75	44
1	2.38	60	1.75	44	2.38	60	2.25	57
1 1/4	2.62	67	2.25	57	2.62	67	2.50	64
1 1/2	3.12	79	2.50	64	3.12	79	3.00	76
2	3.38	86	3.00	76	3.38	86	3.62	92
2 1/2	3.62	92	3.62	92	3.62	92	4.25	108
3	4.25	108	4.25	108	4.25	108	5.00	127
4	4.75	121	5.50	140	4.75	121	6.25	159

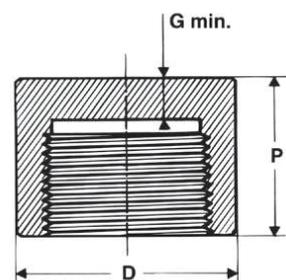
5" and 6" Available on request (Forgings available from stock) Manufacturer standard

CAP

Class 3000 lbs. - 6000 lbs.

Dimensions: ASME B 16.11

Thread: ASME B 1.20.1



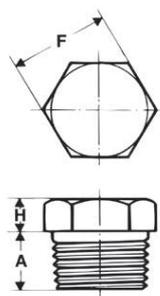
Nominal pipe size	3000						6000					
	P		D		G		P		D		G	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
1/4	1.00	25	0.75	19	0.19	4,8	1.06	27	1.00	25	0.25	6,4
3/8	1.00	25	0.88	22	0.19	4,8	1.06	27	1.25	32	0.25	6,4
1/2	1.25	32	1.12	28	0.25	6,4	1.31	33	1.50	38	0.31	7,9
3/4	1.44	37	1.38	35	0.25	6,4	1.50	38	1.75	44	0.31	7,9
1	1.62	41	1.75	44	0.38	9,7	1.69	43	2.25	57	0.44	11,2
1 1/4	1.75	44	2.25	57	0.38	9,7	1.81	46	2.50	64	0.44	11,2
1 1/2	1.75	44	2.50	64	0.44	11,2	1.88	48	3.00	76	0.50	12,7
2	1.88	48	3.00	76	0.50	12,7	2.00	51	3.62	92	0.62	15,7
2 1/2	2.38	60	3.62	92	0.62	15,7	2.50	64	4.25	108	0.75	19,0
3	2.56	65	4.25	108	0.75	19,0	2.69	68	5.00	127	0.88	22,4
4	2.69	68	5.50	140	0.88	22,4	2.94	75	6.25	159	1.12	28,4

Hex Head Plug

Class 3000 lbs. - 6000 lbs.

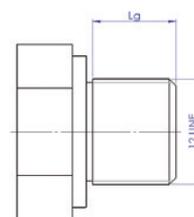
Dimensions: ASME B 16.11

Thread: ASME B 1.20.1



Special UNF cylindrical Plugs on request

- 1" 1/4
- 1" 1/8
- 1" 3/8
- 1" 5/8
- 1" 7/8



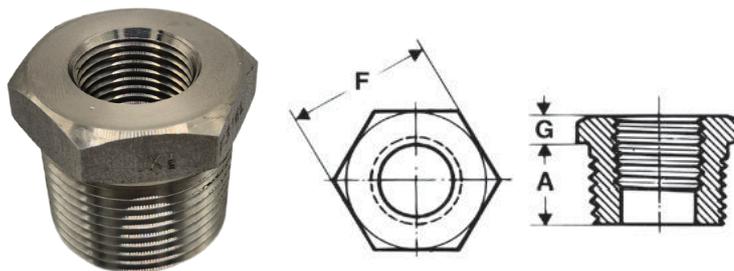
Nominal pipe size	3000-6000					
	A min		F nominal		H min.	
	inches	mm	inches	mm	inches	mm
1/4	0.44	11	0.62	15.88	0.25	6
3/8	0.50	13	0.69	17.46	0.31	8
1/2	0.56	14	0.88	22.23	0.31	8
3/4	0.62	16	1.06	26.99	0.38	10
1	0.75	19	1.38	34.93	0.38	10
1 1/4	0.81	21	1.75	44.45	0.56	14
1 1/2	0.81	21	2.00	50.80	0.62	16
2	0.88	22	2.50	63.50	0.69	18
2 1/2	1.06	27	3.00	76.20	0.75	19
3	1.12	28	3.50	88.90	0.81	21
4	1.25	32	4.62	117.48	1.00	25

Hex Head Bushing

Class 3000 lbs. - 6000 lbs.

Dimensions: ASME B 16.11

Thread: ASME B 1.20.1



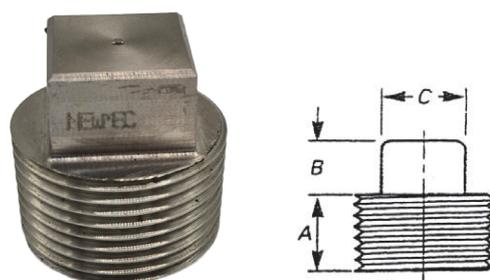
Nominal pipe size	3000-6000					
	A min		F nominal		G min.	
	inches	mm	inches	mm	inches	mm
3/8 x 1/4	0.50	13	0.69	17.46	0.16	4
1/2 x 3/8	0.56	14	0.88	22.23	0.19	5
1/2 x 1/4	0.56	14	0.88	22.23	0.19	5
3/4 x 1/2	0.62	16	1.06	26.99	0.22	6
3/4 x 1/4	0.62	16	1.06	26.99	0.22	6
1 x 3/4	0.75	19	1.38	34.93	0.25	6
1 x 1/2	0.75	19	1.38	34.93	0.25	6
1 x 1/4	0.75	19	1.38	34.93	0.25	6
1 1/4 x 1	0.81	21	1.75	44.45	0.28	7
1 1/2 x 1	0.81	21	2.00	50.80	0.31	8
1 1/2 x 3/4	0.81	21	2.00	50.80	0.31	8
1 1/2 x 1/2	0.81	21	2.00	50.80	0.31	8
2 x 1 1/2	0.88	22	2.50	63.50	0.34	9
2 x 1	0.88	22	2.50	63.50	0.34	9
2 1/2 x 2	1.06	27	3.00	76.20	0.38	10
3 x 2	1.12	28	3.50	88.90	0.41	10
4 x 3	1.25	32	4.62	117.48	0.50	13
4 x 2	1.25	32	4.62	117.48	0.50	13

Square Head Plug

Class 3000 lbs. - 6000 lbs.

Dimensions: ASME B 16.11

Thread: ASME B 1.20.1



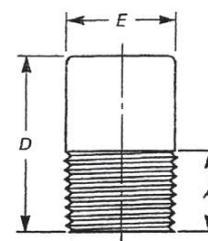
Nominal pipe size	3000-6000					
	A min		C nominal		B min.	
	inches	mm	inches	mm	inches	mm
1/8	0.38	10	0.28	7.15	0.25	6
1/4	0.44	11	0.38	9.55	0.25	6
3/8	0.50	13	0.44	11.11	0.31	8
1/2	0.56	14	0.56	14.29	0.38	10
3/4	0.62	16	0.62	15.88	0.44	11
1	0.75	19	0.81	20.64	0.50	13
1 1/4	0.81	21	0.94	23.81	0.56	14
1 1/2	0.81	21	1.12	28.58	0.62	16
2	0.88	22	1.31	33.27	0.69	18
2 1/2	1.06	27	1.50	38.10	0.75	19
3	1.12	28	1.69	42.86	0.81	21
4	1.25	32	2.50	63.50	1.00	25

Round Head Plug

Class 3000 lbs. - 6000 lbs.

Dimensions: ASME B 16.11

Thread: ASME B 1.20.1



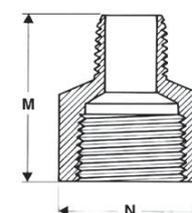
Nominal pipe size	3000-6000					
	A min		E nominal		D min	
	inches	mm	inches	mm	inches	mm
1/8	0.38	10	0.41	10	1.38	35
1/4	0.44	11	0.53	14	1.62	41
3/8	0.50	13	0.69	18	1.62	41
1/2	0.56	14	0.84	21	1.75	44
3/4	0.62	16	1.06	27	1.75	44
1	0.75	19	1.31	33	2.00	51
1 1/4	0.81	21	1.69	43	2.00	51
1 1/2	0.81	21	1.91	48	2.00	51
2	0.88	22	2.38	60	2.50	64
2 1/2	1.06	27	2.88	73	2.75	70
3	1.12	28	3.50	89	2.75	70
4	1.25	32	4.50	114	3.00	76

Special lengths available on request.

Female-Male Reducer

Class 3000 lbs

Thread: ASME B 1.20.1



Nominal pipe size	3000-6000			
	B min.		B min.	
	inches	mm	inches	mm
3/8 x 1/4	1.50	42	0.87	22
1/2 x 3/8	1.81	49	1.10	28
1/2 x 1/4	1.81	49	1.10	28
3/4 x 1/2	2.01	51	1.38	35
1 x 3/4	2.36	63	1.77	45
1 x 1/2	2.36	61	1.77	45
1 x 1/4	2.36	60	12.77	45
1 1/4 x 1	2.83	72	2.24	60
1 1/2 x 1	2.76	72	2.48	63
1 1/2 x 3/4	2.76	67	2.48	63
1 1/2 x 1/2	2.76	67	2.48	63
2 x 1/2	2.79	71	2.95	75
2x1	2.99	76	2.95	75
2 1/2 x 2	3.74	92	3.74	95
3 x 2	3.94	95	4.33	110
4x3	4.33	113	5.51	140
4x2	4.33	100	5.51	140

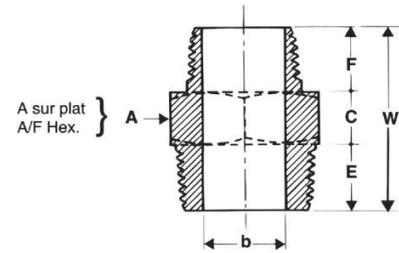
⁽¹⁾ Dimensions not listed in ASME B 16.11 and BS 3799 may vary according to the manufacturer.

Reducing Hexagonal Nipple

Class 3000 lbs. - 6000 lbs

Dimensions: BS 3799

Thread: ASME B 1.20.1



Nominal pipe size		A (mini)		E (mini)		F (mini)		C (mini)		W (mini)		B*			
inches	mm-mm	inc.	mm	3000		6000									
												inc.	mm	inc.	mm
1/4 * 1/8	8x6	0.59	15	0.59	15	0.39	10	0.19	6	1.22	31	0.20	5	0.08	2
3/8 * 1/4	10 x 8	0.71	18	0.63	16	0.59	15	0.31	8	1.54	39	0.31	8	0.24	6
1/2 * 3/8	15 x 10	0.87	22	0.79	20	0.63	16	0.31	8	1.73	44	0.43	11	0.31	8
1/2 * 1/4	15 x 8	0.87	22	0.79	20	0.59	15	0.31	8	1.69	43	0.31	8	0.24	6
3/4 * 1/2	20 x 15	1.06	27	0.83	21	0.79	20	0.35	9	1.97	50	0.55	14	0.43	11
3/4 * 3/8	20 x 10	1.06	27	0.83	21	0.63	16	0.35	9	1.81	46	0.43	11	0.31	8
1 * 3/4	25 x 20	1.38	35	0.98	25	0.83	21	0.39	10	2.20	56	0.75	19	0.51	13
1 * 1/2	25 x 15	1.38	35	0.98	25	0.79	20	0.39	10	2.17	55	0.55	14	0.43	11
1 1/2 * 1	40 x 25	1.97	50	1.02	26	0.98	25	0.63	16	2.64	67	0.94	24	0.67	17
1 1/2 * 3/4	40 x 20	1.97	50	1.02	26	0.83	21	0.63	16	2.48	63	0.75	19	0.51	13
1 1/2 * 1/2	40 x 15	1.97	50	1.02	26	0.79	20	0.63	16	2.44	62	0.55	14	0.43	11
2 * 1 1/2	50 x 40	2.44	62	1.06	27	1.02	26	0.67	17	2.76	70	1.50	38	1.18	30
2 * 1	50 x 25	2.44	62	1.06	27	0.98	25	0.71	18	2.76	70	0.94	24	0.67	17
2 * 3/4	50 x 20	2.44	62	1.06	27	0.83	21	0.67	17	2.60	65	0.75	19	0.51	13
2 * 1/2	50 x 15	2.44	62	1.06	27	0.79	20	0.71	18	2.60	65	0.55	14	0.43	11

* Dimension «b» is nominal and is subject to normal manufacturing tolerances

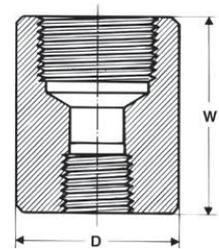
Reducing Coupling

Same dimensions as for couplings

Class 3000 lbs. - 6000 lbs.

Dimensions : ASME B 1.20.1

Thread: ASME B 1.20.1



Nominal pipe size	3000				6000			
	W (1)		D		W (1)		D	
	inches	mm	inches	mm	inches	mm	inches	mm
3/8 * 1/4	1.50	38	0.87	22	1.50	38	1.26	32
1/2 * 3/8	1.89	48	1.10	28	1.88	48	1.50	38
1/2 * 1/4	1.89	48	1.10	28	1.88	48	1.50	38
3/4 * 1/2	2.00	51	1.38	35	2.00	51	1.77	45
3/4 * 1/4	2.00	51	1.38	35	2.00	51	1.77	45
1 * 3/4	2.36	60	1.77	45	2.36	60	2.24	57
1 * 4/2	2.36	60	1.77	45	2.36	60	2.24	57
1 * 1/4	2.36	60	1.77	45	2.36	60	2.24	57
1 1/4 * 1	2.64	67	2.24	57	2.64	67	2.48	63
1 1/2 * 1	3.11	79	2.52	64	3.11	79	2.99	76
1 1/2 * 3/4	3.11	79	2.52	64	3.11	79	2.99	76
1 1/2 * 1/2	3.11	79	2.52	64	3.11	79	2.99	76
2 x 1 1/2	3.39	86	2.99	76	3.39	86	3.62	92
2 * 1	3.39	86	2.99	76	3.39	86	3.62	92
2 1/2 * 2	3.62	92	3.62	92	3.62	92	4.25	108
3 * 2	4.25	108	4.25	108	4.25	108	5.00	127
4 * 3	4.75	121	5.50	140	4.75	121	6.25	159
4 * 2	4.75	121	5.50	140	4.75	121	6.25	159

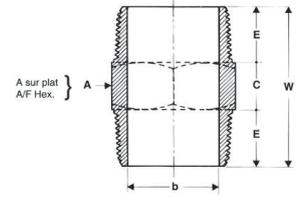
⁽¹⁾ Dimensions not listed in ASME B 16.11 and BS 3799 may vary according to the manufacturer.

Hexagonal Nipple

Class 3000 lbs. - 6000 lbs.

Dimensions: BS 3799

Thread: ASME B 1.20.1



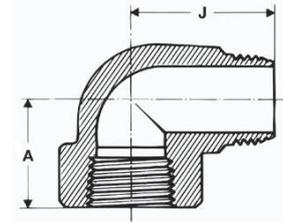
Nominal pipe size		A (mini)		E (mini)		C (mini)		W (mini)		B*			
										3000		6000	
inches	mm-mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm
1/8	6	0.43	11	0.39	10	0.24	6	1.02	26	0.20	5	0.08	2
1/4	B	0.59	15	0.59	15	0.24	6	1.42	36	0.31	8	0.24	6
3/8	10	0.71	18	0.63	16	0.31	8	1.57	40	0.43	11	0.31	8
1/2	15	0.87	22	0.79	20	0.31	8	1.89	48	0.55	14	0.43	11
3/4	20	1.06	27	0.83	21	0.39	10	2.05	52	0.75	19	0.51	13
1	25	1.38	35	0.98	25	0.39	10	2.36	60	0.94	24	0.67	17
1 1/2	40	1.97	50	1.02	26	0.63	16	2.68	68	1.50	38	1.18	30
2	50	2.44	62	1.06	27	0.67	17	2.80	71	1.93	49	1.54	39

90° Street Elbow

Class 3000 lbs. - 6000 lbs

Dimensions: ASME B 16.11

Thread: ASME B 1.20.1



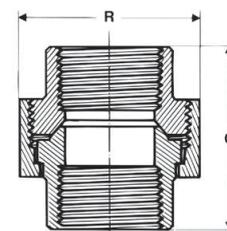
Nominal pipe size	3000				6000			
	A		J		A		J	
	inches	mm	inches	mm	inches	mm	inches	mm
1/4	0.97	25	1.25	32	1.12	28	1.50	38
3/8	1.12	28	1.50	38	1.31	33	1.62	41
1/2	1.31	33	1.62	41	1.50	38	1.88	48
3/4	1.50	38	1.88	48	1.75	44	2.25	57
1	1.75	44	2.25	57	2.00	51	2.62	66
1 1/4	2.00	51	2.62	66	2.38	60	2.81	71
1 1/2	2.38	60	2.81	71	2.50	64	3.31	84
2	2.50	64	3.31	84	3.25	83	4.13	105

Female-Female Union

Class 3000 lbs. - 6000 lbs.

Dimensions: MSS SP 83-BS 3799

Thread: ASME B 1.20.1



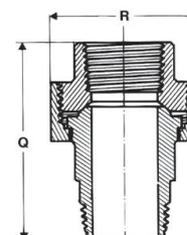
Nominal pipe size	3000				6000			
	Q (1)		R (1)		Q (1)		R (1)	
	inches	mm	inches	mm	inches	mm	inches	mm
1/4	1.67	45	1.42	36				
3/8	1.87	51	1.62	41				
1/2	2.05	52	1.81	46	2.72	63	2.36	64,5
3/4	2.25	57	2.20	56	2.84	63	2.84	64,5
1	2.48	63	2.56	65	3.15	71	3.15	80,0
1 1/4	2.76	66	3.07	80	3.50	89	3.70	87,0
1 1/2	30.7	78	3.39	87	4.25	89	3.94	100,0
2	3.50	91	4.06	100	4.49	119	4.80	122,0
2 1/2	4.49	118	4.80	125	5.13	128	5.67	144,0
3	5.12	120	5.67	144	5.91	148	7.09	200,0
4	5.91	148	7.09	200				

⁽¹⁾ Dimensions may vary according to the manufacturer.

Male-Female Union

Class 3000 lbs. - 6000 lbs.

Thread: ASME B 1.20.1



Nominal pipe size Diamètre nominal	3000				6000			
	Q (1)		R (1)		Q (1)		R (1)	
	inches	mm	inches	mm	inches	mm	inches	mm
1/4	2.48	61	1.26	36				
3/8	2.72	69	1.50	41				
1/2	3.03	75	1.81	46	3.72	94,5	2.36	64,5
3/4	3.15	80	2.00	56	3.88	98,5	2.84	64,5
1	3.82	90	2.36	65	4.25	108,0	3.15	80,0
1 1/4	3.98	98	2.84	80	4.72	120,0	3.70	87,0
1 1/2	4.33	100	3.15	87	5.44	138,0	3.94	100,0
2	4.72	120	3.70	100	5.75	146,0	4.80	122,0

⁽¹⁾ Dimensions may vary according to the manufacturer

Pipe Nipple

Dimensions: A733 / ASME B36.10 / A106

Thread: ASME B 1.20.1

Buttwelding end: ASME B 16-25 Cut square plain end.

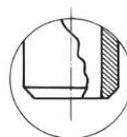


NOM. SIZE	O.D		CLOSE LENGTH	Longueur Standard - Standard Length																																			
				1"1-2 (38,1 mm)				2" (50,8 mm)				2"1-2 (63,5 mm)				3" (76,2 mm)				4" (101,6 mm)				5" (127 mm)				6" (152,4 mm)				8" (203,2 mm)				12" (304,8 mm)			
	inch	mm		Sch. 40	Sch. 80	Sch. 160	Sch. XXS	Sch. 40	Sch. 80	Sch. 160	Sch. XXS	Sch. 40	Sch. 80	Sch. 160	Sch. XXS	Sch. 40	Sch. 80	Sch. 160	Sch. XXS	Sch. 40	Sch. 80	Sch. 160	Sch. XXS	Sch. 40	Sch. 80	Sch. 160	Sch. XXS	Sch. 40	Sch. 80	Sch. 160	Sch. XXS	Sch. 40	Sch. 80	Sch. 160	Sch. XXS				
1/8"	0,405	10,3	3/4"	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
1/4"	0,540	13,7	7/8"	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
3/8"	0,675	17,1	1"	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
1/2"	0,840	21,3	1"1/8	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
3/4"	1,050	26,7	1"3/8	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
1"	1,315	33,4	1"1/2	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
1"1/4	1,660	42,2	1"5/8	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
1"1/2	1,900	48,3	1"3/4	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
2"	2,375	60,3	2"	-	-	-	-	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
2"1/2	2,875	73,0	2"1/2	-	-	-	-	-	-	-	-	ok	ok	ok	ok	ok	ok	ok	ok	-	ok	ok	ok	-	ok	ok	ok	-	ok	ok	ok	-	ok	ok	ok	ok	ok	ok	ok
3"	3,500	88,9	3"	-	-	-	-	-	-	-	-	-	-	-	-	ok	ok	ok	ok	-	ok	ok	ok	-	ok	ok	ok	-	ok	ok	ok	-	ok	ok	ok	ok	ok	ok	ok
4"	4,500	114,3	4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ok	ok	ok	ok	-	ok	ok	ok	-	ok	ok	ok	-	ok	ok	ok	ok	ok	ok	ok

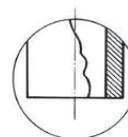
Swage Nipple

Class 3000 lbs. - 6000 lbs.

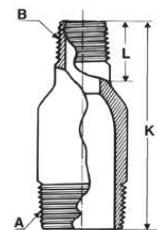
Dimensions: BS 3799 / MSS SP95



Buttwelding end according to ANSI B 16-25



Cut square plain end



Thread ends according to ANSI B 1.20.1

Nominal pipe sizes A x B	3000						Thickness according to ANSI B 36-10		
	K				L				
	BS3799		MSS SP95						
	inches	inches	inches	inches					
3/8 x 1/4	3.74	3.74	2.52	64	0.63	16	Sch 40	Sch 80	-
1/2 x 3/8	3.50	3.50	2.76	70	0.75	19	Sch 40	Sch 80	-
1/2 x 1/4	3.50	3.50	2.76	70	0.75	19	Sch 40	Sch 80	-
3/4 x 1/2	3.75	3.75	2.99	76	0.87	22	Sch 40	Sch 80	Sch 160
3/4 x 1/4	3.75	3.75	2.99	76	0.87	22	Sch 40	Sch 80	-
1 x 3/4	4.02	4.02	3.50	89	0.87	22	Sch 40	Sch 80	Sch 160
1 x 1/2	4.02	4.02	3.50	89	0.87	22	Sch 40	Sch 80	Sch 160
1 x 1/4	4.02	4.02	3.50	89	0.87	22	Sch 40	Sch 80	Sch 160
1 1/4 x 1	4.49	4.49	4.02	102	0.98	25	Sch 40	Sch 80	Sch 160
1 1/2 x 1	4.49	4.49	4.49	114	0.98	25	Sch 40	Sch 80	Sch 160
1 1/2 x 3/4	4.49	4.49	4.49	114	0.98	25	Sch 40	Sch 80	Sch 160
1 1/2 x 1/2	6.50	6.50	6.50	165	0.98	25	Sch 40	Sch 80	Sch 160
2 x 1 1/2	6.50	6.50	6.50	165	1.14	29	Sch 40	Sch 80	Sch 160
2 x 1	6.50	6.50	6.50	165	1.14	30	Sch 40	Sch 80	Sch 160
2 1/2 x 2	7.01	7.01	7.01	178	1.26	32	Sch 40	Sch 80	Sch 160
3 x 2	7.99	7.99	7.99	203	1.61	41	Sch 40	Sch 80	Sch 160
4 x 3	9.02	9.02	9.02	229	1.89	48	Sch 40	Sch 80	Sch 160
4 x 2	9.02	9.02	9.02	229	1.89	48	Sch 40	Sch 80	Sch 160

Variations in outside diameter and thickness according to ASTM A 106.

Code Used In Material List Of Swage Nipples

Reduced nipple

- P.B.E. Plain both ends
- P.L.E. Plain large end
- T.B.E. Threaded both ends
- T.L.E. Threaded large end
- For barrel nipples only.
- Two codes may be used on the same item for example :
- P.S.E. Plain small end
- B.B.E. Bevelled both ends
- T.S.E. Threaded small end
- B.O.E. Bevelled one end
- B.L.E. Bevelled large end
- B.S.E. Bevelled small end
- P.O.E. Plain one end
- T.O.E. Threaded one end

1 Swage Nipple 3 x 2 BLE-TSE

Which means :

Bevelled large end

Threaded small end