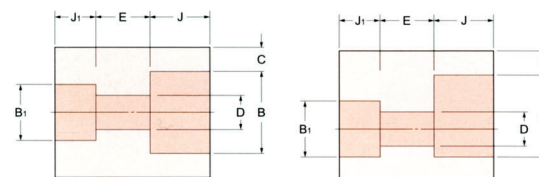


Concentric Reducer Eccentric Reducer

3000# 6000# 9000#



Concentric Reducer

Eccentric Reducer

ANSI B16.11

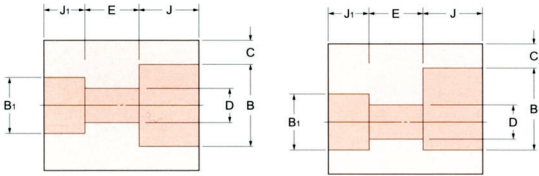
Nom Pipe Size	Socket Bore Dia Min		Bore Diameter of Fitting-D		
	B	B ₁	3000	6000	9000
1/4 x 1/8	14.2/14.6	10.8/11.2	6.1/7.6	3.2/4.8	-
3/8 x 1/4	17.6/18.0	14.2/14.6	8.5/10.0	5.6/7.1	-
1/2 x 1/4	21.8/22.2	14.2/14.6	8.5/10.0	5.6/7.1	-
x 3/8	-	17.6/18.0	11.8/13.3	8.4/9.9	-
3/4 x 1/4	27.2/27.6	14.2/14.6	8.5/10.0	5.6/7.1	-
x 3/8	-	17.6/18.0	11.8/13.3	8.4/9.9	-
x 1/2	-	21.8/22.2	15.0/16.6	11.0/12.5	5.6/7.2
1 x 3/8	33.9/34.3	17.6/18.0	11.8/13.3	8.4/9.9	-
x 1/2	-	21.8/22.2	15.0/16.6	11.0/12.5	5.6/7.2
x 3/4	-	27.2/27.6	20.2/21.7	14.8/16.3	10.3/11.8
1 1/4 x 1/2	42.7/43.1	21.8/22.2	15.0/16.6	10.2/12.5	5.6/7.2
x 3/4	-	27.2/27.6	20.2/21.7	14.8/16.3	10.3/11.8
x 1	-	33.9/34.3	25.9/27.4	19.9/21.5	14.5/16.0
1 1/2 x 3/4	48.8/49.2	27.2/27.6	20.2/21.7	14.8/16.3	14.8/16.3
x 1	-	33.9/34.3	25.9/27.4	19.9/21.5	14.5/16.0
x 1 1/4	-	42.7/43.1	34.3/35.8	28.7/30.2	22.0/23.5
2 x 1	61.2/61.7	33.9/34.3	25.9/27.4	19.9/21.5	14.5/16.0
x 1/4	-	42.7/43.1	34.3/35.8	28.7/30.2	22.0/23.5
x 1/2	-	48.8/49.2	40.1/41.6	33.2/34.7	27.2/28.7
2 1/2 x 1 1/4	73.9/74.4	42.7/43.1	34.3/35.8	28.7/30.2	22.0/23.5
x 1 1/2	-	48.8/49.2	40.1/41.6	33.2/34.7	27.2/28.7
x 2	-	61.2/61.7	51.7/53.3	42.1/43.6	27.4/38.9

(Unit : mm)

Socket Wall Thickness C(Ave/Min)			Depth Min		Laying Lengths (Min/Max)
3000	6000	9000	J	J ₁	E
3.78/3.30	4.60/4.01	-	9.5	9.5	5.0/8.0
4.01/3.50	5.03/4.37	-	9.5	9.5	3.5/9.5
4.67/4.09	5.97/5.18	9.35/8.18	9.5	9.5	6.5/12.5
-	-	-	9.5	9.5	-
4.90/4.27	6.96/6.04	9.78/8.56	12.5	9.5	6.5/12.5
-	-	-	12.5	9.5	-
-	-	-	12.5	9.5	-
5.69/4.98	7.92/6.93	11.38/9.96	12.5	9.5	8.5/16.5
-	-	-	12.5	9.5	-
-	-	-	12.5	12.5	-
6.07/5.28	7.92/6.93	12.14/10.62	12.5	12.5	8.5/16.5
-	-	-	12.5	12.5	-
-	-	-	12.5	12.5	-
6.35/5.54	8.92/7.80	12.70/11.12	12.5	12.5	8.5/16.5
-	-	-	12.5	12.5	-
-	-	-	12.5	12.5	-
6.93/6.04	10.92/9.50	13.84/12.12	16.0	12.5	15.0/23.0
-	-	-	16.0	12.5	-
-	-	-	16.0	12.5	-
8.76/7.67	-	-	16.0	12.5	14.0/24.0
-	-	-	16.0	12.5	-
-	-	-	16.0	16.0	-

Concentric Reducer
Eccentric Reducer

3000# 6000# 9000#



Concentric Reducer

Eccentric Reducer

ANSI B16.11

Nom Pipe Size	Socket Bore Dia Min		Bore Diameter of Fitting-D		
	B	B ₁	3000	6000	9000
3 x 1½	89.8/90.3	48.8/49.2	40.1/41.6	33.2/34.7	-
x 2	-	61.2/61.7	51.7/53.3	42.1/43.6	-
x 2½	-	73.9/74.4	61.2/64.2	-	-
4 x 2	115.2/115.7	61.2/61.7	51.7/53.3	-	-
x 2½	-	73.9/74.4	61.2/64.2	-	-
x 3	-	89.8/90.3	76.4/79.4	-	-

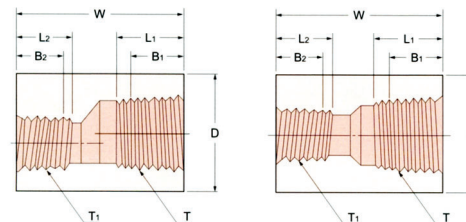
- Dimensions are in millimeters.
- Average of socket wall thickness around periphery shall be no less than listed values.
The minimum values are permitted in localized areas.

(Unit : mm)

Socket Wall Thickness C(Ave/Min)			Depth Min		Laying Lengths (Min/Max)
3000	6000	9000	J	J ₁	E
9.52/8.30	-	-	16.0	12.5	14.0/24.0
-	-	-	16.0	16.0	-
-	-	-	16.0	16.0	-
10.69/9.35	-	-	19.0	16.0	14.0/24.0
-	-	-	19.0	16.0	-
-	-	-	19.0	16.0	-

Concentric Reducer Eccentric Reducer

3000# 6000#



Concentric Reducer

Eccentric Reducer

(Unit : mm)

Nom Pipe Size	Min Outside Diameter D		End to End W	Length of thread Min(1)			
	3000	6000		B1	B2	L1	L2
1/4 X 1/8	19.0	25.4	35	8.12	6.35	10.20	6.70
3/8 X 1/4	22.0	31.8	38	9.14	8.12	10.35	10.20
1/2 X 1/4	28.5	38.1	48	10.92	8.12	13.55	10.20
X 3/8	28.5	38.1	48	10.92	9.14	13.55	10.35
3/4 X 1/4	35.0	44.5	51	12.70	8.12	13.86	10.20
X 3/8	35.0	44.5	51	12.70	9.14	13.86	10.35
X 1/2	35.0	44.5	51	12.70	10.92	13.86	13.55
1 X 3/8	44.5	57.0	60	14.73	9.14	17.34	10.35
X 1/2	44.5	57.0	60	14.73	10.92	17.34	13.55
X 3/4	44.5	57.0	60	14.73	12.70	17.34	13.86
1 1/4 X 1/2	57.0	63.5	67	17.01	10.92	17.95	13.55
X 3/4	57.0	63.5	67	17.01	12.70	17.95	13.86
X 1	57.0	63.5	67	17.01	14.73	17.95	17.34
1 1/2 X 3/4	63.1	76.0	80	17.78	12.70	18.37	13.86
X 1	63.5	76.0	80	17.78	14.73	18.37	17.34
X 1 1/4	63.5	76.0	80	17.78	17.01	18.37	17.95

Nom Pipe Size	Min Outside Diameter D		End to End W	Length of thread Min(1)			
	3000	6000		B1	B2	L1	L2
2 X 1	76.0	92.0	86	19.05	14.73	19.21	17.34
X 1 1/4	76.0	92.0	86	19.05	17.01	19.21	17.95
X 1 1/2	76.0	92.0	86	19.05	17.78	19.21	18.37
2 1/2 X 1 1/4	92.0	108.0	92	23.62	17.01	28.90	17.95
X 1 1/2	92.0	108.0	92	23.62	17.78	28.90	18.37
X 2	92.0	108.0	92	23.62	19.05	28.90	19.21
3 X 1 1/4	108.0	127.0	108	25.90	17.78	30.48	18.37
X 2	108.0	127.0	108	25.90	19.05	30.48	19.21
X 2 1/2	108.0	127.0	108	25.90	23.62	30.48	28.90
4 X 2	140.0	160.0	121	27.68	19.06	33.02	19.21
X 2 1/2	140.0	160.0	121	27.68	23.62	33.02	28.90
X 3	140.0	160.0	121	27.68	25.90	33.02	30.48