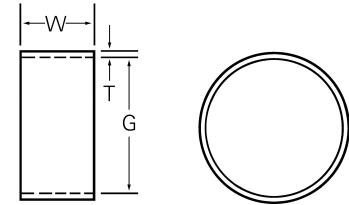


Copper-Nickel Butt Welding Fittings

Sleeves - NAVSEA 810-1385880, Revision D



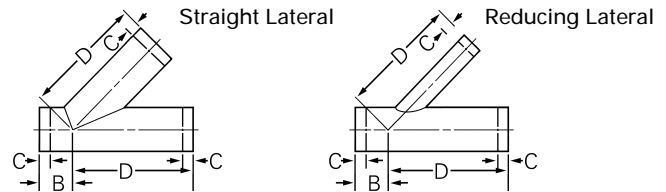
- UNS Designation Numbers: 90-10 (UNS C70600) and 70-30 (UNS C71500).
- Nominal Chemicals 90-10: Copper 88.6%, Nickel 10.0%, Iron 1.4%.
- Nominal Chemicals 70-30: Copper 69.5%, Nickel 30.0%, Iron 0.5%.

Nominal Pipe Size	Inside Diameter G (Min)	W	Class 200		90-10 Part Number	70-30 Part Number	Class 50		90-10 Part Number
			Minimum Thickness T	Weight			Minimum Thickness T	Weight	
1/4	.540	.02	17/32	.065	128882	481418			
3/8	.675	.03	5/8	.065	111445	481434			
1/2	.840	.04	3/4	.065	128866	402197			
3/4	1.050	.06	13/16	.065	111479	472833			
1	1.315	.08	7/8	.072	128905	128921			
1 1/4	1.660	.1	1	.072	128955	128971			
1 1/2	1.900	.2	1 1/4	.083	128997	129016			
2	2.375	.3	1 5/16	.083	129032	129058			
2 1/2	2.875	.5	1 9/16	.095	129074	111314			
3	3.500	.6	1 21/32	.095	129090	129113			
3 1/2	4.000	.7	1 3/4	.109	111398	470459			
4	4.500	1	1 13/16	.125	129139	129155			
5	5.563	2	2 1/16	.134	129171	129197			
6	6.625	2	2 7/32	.134	129210	111330			
8	8.625	4	2 5/8	.187	129236	243103			
10	10.75	8	3	.250	129252	111364	.134	5	465894
12	12.75	11	3 1/4	.250	129278	273768	.156	7	465909
14	14.00	11	3	.250	129286	293653	.165	7	437184
16	16.00	12	3	.250	129309	473643	.165	8	456625
18	18.00	14	3	.250	433774	481450	.180	10	437192
20	20.00	19	3	.250	481484	481492	.180	14	437948
22	22.0	19	3	.250	437859	481468			
24	24.00	20	3	.250	437867	481476			

Dimensions are in inches.

45° Laterals - NAVSEA 810-1385880, Revision D

- UNS Designation Numbers: 90-10 (UNS C70600) and 70-30 (UNS C71500).
- Nominal Chemicals 90-10: Copper 88.6%, Nickel 10.0%, Iron 1.4%.
- Nominal Chemicals 70-30: Copper 69.5%, Nickel 30.0%, Iron 0.5%.



Nominal Pipe Size	OD	C (Min)	B	D	Class 200		90-10 Part Number	70-30 Part Number
					Nom. Wall	Weight		
1 1/4	1.660	9/16	1 3/4	6 1/4	.072	2	435687	481515
1 1/2	1.900	11/16	2	7	.072	2	249400	469301
2	2.375	23/32	2 1/2	8	.083	4	129676	469296
2 1/2	2.875	7/8	2 1/2	9 1/2	.083	5	129692	476308
3	3.500	29/32	3	10	.095	7	129715	470043
3 1/2	4.000	15/16	3	11 1/2	.095	9	129731	481523
4	4.500	31/32	3	12	.109	12	129757	468224
5	5.563	1 3/32	3 1/2	13 1/2	.125	19	129773	435108
6	6.625	1 11/64	3 1/2	14 1/2	.134	26	129799	473504
8	8.625	1 3/8	4 1/2	17 1/2	.148	47	129812	469319
10	10.75	1 9/16	5	20 1/2	.187	93	481531	486735
12	12.75	1 11/16	5 1/2	24 1/2	.250	165	486743	486751

Dimensions are in inches. All weights are approximate.
Dimensions "B" and "D" per ANSI B16.1 cl.125.
Sizes not shown may be available upon request.
Available in "regular" thickness (similar to Schedule 40s).