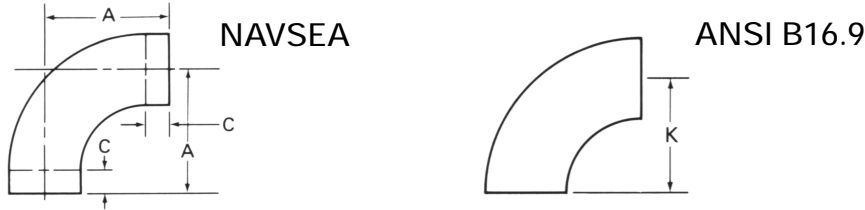


# Copper-Nickel Butt Welding Fittings

## 90° Long Radius Elbows - 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	A (Min)	C (Min)	K	Class 200				Class 50		90-10 Part Number
					Nominal Wall	Weight	90-10 Part Number	70-30 Part Number	Nominal Wall	Weight	
1/4	.540	1 9/32	9/32		.065	.1	408305	477346			
3/8	.675	1 5/8	3/8		.065	.1	132695	477354			
1/2	.840	1 15/16	7/16	1 1/2	.065	.1	408313	481939			
3/4	1.05	1 19/32	15/32	1 7/8	.065	.1	132718	481947			
1	1.315	2	1/2	1 1/2	.065	.2	132734	249434			
1 1/4	1.660	2 7/16	9/16	1 7/8	.072	.3	132653	266729			
1 1/2	1.900	2 15/16	11/16	2 1/4	.072	.5	129993	132750			
2	2.375	3 23/32	23/32	3	.083	.8	132938	130059			
2 1/2	2.875	4 5/8	7/8	3 3/4	.083	1	113138	130075			
3	3.500	5 13/32	29/32	4 1/2	.095	2	132962	130114			
3 1/2	4.000	6 1/4	15/16	5 1/4	.095	3	132378	411641			
4	4.500	6 31/32	31/32	6	.109	5	113251	130156			
5	5.563	8 19/32	1 3/32	7 1/2	.125	9	132899	130198			
6	6.625	10 11/64	1 11/64	9	.134	15	133015	130211			
8	8.625	13 3/8	1 3/8	12	.148	34	132310	132823			
10	10.75	16 9/16	1 9/16	15	.187	67	132255	130237	.134	38	435768
12	12.75	19 11/16	1 11/16	18	.250	96	130279	132522	.156	60	435776
14	14.00	21 1/2	1/2	21	.250	120	130334	437168	.165	75	436756
16	16.00	24 1/2	1/2	24	.250	157	130392	113536	.165	104	435297
18	18.00	27 1/2	1/2	27	.250	197	249248	477362	.180	142	435302
20	20.00	30 1/2	1/2	30	.250	243	229670	477370	.180	175	439055
22	22.00	33 1/2	1/2	33	.250	294			.180	212	436798
24	24.00	36 1/2	1/2	36	.250	350			.180	252	436803
30**	30.00	45 1/2	1/2	45	.250	544					
36**	36.00	54 1/2	1/2	54	.250	781					

Dimensions are in inches. All weights are approximate.  
 Specifications: pg. 60. Tolerances: pg. 58.  
 Sizes not shown may be available upon request.  
 Available in "regular" thickness (similar to Schedule 40s).  
 \*\* Four piece construction.