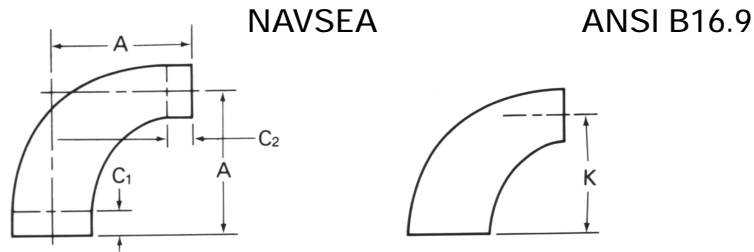


## Copper-Nickel Butt Welding Fittings

### 90° Reducing 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 <sub>1</sub> (Min)	C <sub>2</sub> (Min)	K	Nominal Wall	Weight	90-10 Part Number	70-30 Part Number
2 x 1 1/2	2.375 x 1.90	3 23/32	23/32	11/16	3	.083	.8	275118	274560
3 x 1 1/4	3.5 x 1.66	5 13/32	29/32	9/16	4.5	.095	2	475849	477697
3 x 2	3.5 x 2.375	5 13/32	29/32	23/32	4.5	.095	2	438473	477702
3 x 2 1/2	3.5 x 2.875	5 13/32	29/32	7/8	4.5	.095	2	437223	477728
3 1/2 x 3	4.0 x 3.5	6 1/4	15/16	29/32	5.25	.095	3	435409	477744
4 x 3	4.5 x 3.5	6 31/32	31/32	29/32	6	.109	4	431853	477752
5 x 4	5.562 x 4.5	8 19/32	1 3/32	31/32	7 1/2	.125	8	431861	476829
6 x 4	6.625 x 4.5	10 11/64	1 11/64	31/32	9	.134	14	435271	477760
6 x 5	6.625 x 5.562	10 11/64	1 11/64	1 3/32	9	.134	14	431879	477786
8 x 5	8.625 x 5.562	13 3/8	1 3/8	1 3/32	12	.148	24	431887	477809
8 x 6	8.625 x 6.625	13 3/8	1 3/8	1 11/64	12	.148	24	431895	477817
10 x 6	10.75 x 6.625	16 9/16	1 9/16	1 11/64	15	.187	47	477833	477859
10 x 8	10.75 x 8.625	16 9/16	1 9/16	1 3/8	15	.187	48	431900	477867
12 x 10	12.75 x 10.75	19 11/16	1 11/16	1 9/16	18	.250	88	465496	477883
14 x 12	14 x 12.75	21 1/2	1/2	1 11/16	21	.250	114		
16 x 14	16 x 14	24 1/2	1/2	1/2	24	.250	148		
18 x 16	18 x 16	27 1/2	1/2	1/2	27	.250	186		
20 x 18	20 x 18	30 1/2	1/2	1/2	30	.250	231		
22 x 20	22 x 20	33 1/2	1/2	1/2	33	.250	281		
24 x 22	24 x 22	36 1/2	1/2	1/2	36	.250	334		
30 x 24	30 x 24	45 1/2	1/2	1/2	45	.250	490		
36 x 30	36 x 30	54 1/2	1/2	1/2	54	.250	716		

Note: Sizes and reductions not shown are available on request.  
 Dimensions are in inches. All weights are approximate.  
 Specifications: pg. 60. Tolerances: pg. 58.  
 Available in "regular" thickness (similar to Schedule 40s).