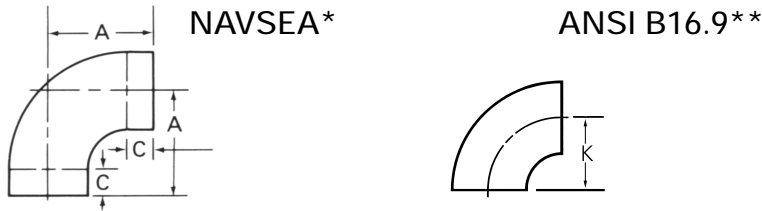


Copper-Nickel Butt Welding Fittings

90° Short 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		90-10 Part Number	70-30 Part Number	Class 50		90-10 Part Number
					Nominal Wall	Weight			Nominal Wall	Weight	
1 1/2	1.900	2 3/16	1 1/16	1 1/2	.072	.5	413732	477621			
2	2.375	2 23/32	2 3/32	2	.083	1	132459	262343			
2 1/2	2.875	3 3/8	7/8	2 1/2	.083	1	132996	130106			
3	3.500	3 29/32	29/32	3	.095	2	132352	130130			
3 1/2	4.000	4 7/16	15/16	3 1/2	.095	2	132417	438449			
4	4.500	4 31/32	31/32	4	.109	3	132433	130172			
5	5.563	6 3/32	1 3/32	5	.125	6	133031	243250			
6	6.625	7 11/64	1 11/64	6	.134	11	133057	243268			
8	8.625	9 3/8	1 3/8	8	.148	19	132271	132849			
10	10.75	11 9/16	1 9/16	10	.187	36	132506	132776	.134	26	435784
12	12.75	13 11/16	1 11/16	12	.250	66	130318	284337	.156	41	435792
14	14.00	14 1/2	1/2	14	.250	80	130376	438457	.165	55	436772
16	16.00	16 1/2	1/2	16	.250	105	130431	437469	.165	70	435263
18	18.00	18 1/2	1/2	18	.250	131	435205	477639	.180	95	435344
20	20.00	20 1/2	1/2	20	.250	162	229688	433855	.180	135	439275
22	22.00	22 1/2	1/2	22	.250	196	477647	438465	.180	150	
24	24.00	24 1/2	1/2	24	.250	233	477655	477663	.180	176	439283
26	26.00	26 1/2	1/2	26	.250	276	467838				
30	30.00	30 1/2	1/2	30	.250	363	562010				
36	36.00	36 1/2	1/2	36	.250	521					

Dimensions are in inches. All weights are approximate.

Specifications: pg. 60. Tolerances: pg. 58.

*Short Radius 90° are not referenced in NAVSEA. Dimensions are per ANSI B16.9 plus the NAVSEA tangent lengths.

** ANSI B 16.9 dimensions up to and including 24" size. Sizes larger than 24" are manufactured to Alaskan dimensional standards.

Sizes not shown may be available upon request.

Available in "regular" thickness (similar to Schedule 40s).