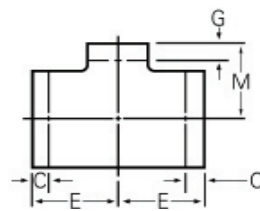
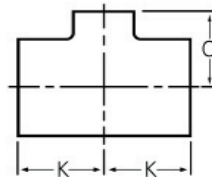


Copper-Nickel Butt Welding Fittings

Reducing Tees - NAVSEA 810-1385880, Revision D



NAVSEA



ANSI B16.9

- 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	K	M	C (Min)	G (Min)	E	Q	Nominal Wall	Weight	90-10 Part Number	70-30 Part Number
1 1/4 x 1 1/4 x 3/4	1.66 x 1.66 x 1.05	1 7/8	1 11/16	9/16	13/32	1 7/8	1 7/8	.072	.4	259366	478211
		1 7/8	1 3/4	9/16	7/16	1 7/8	1 7/8	.072	.4	265511	478237
1 1/2 x 1 1/2 x 1/2	1.90 x 1.90 x .840	2 1/4	1 3/4	11/16	3/8	2 1/4	2 1/4	.072	.6	231041	478245
		2 1/4	1 13/16	11/16	13/32	2 1/4	2 1/4	.072	.6	259358	476853
		2 1/4	1 7/8	11/16	7/16	2 1/4	2 1/4	.072	.6	265529	478279
2 x 2 x 1/2	2.375 x 2.375 x .840	2 1/2	2	11/16	1/2	2 1/2	2 1/4	.072	.6	127616	478287
		2 1/2	2	23/32	13/32	2 1/2	1 3/4	.083	.8	127674	478300
		2 1/2	2 1/16	23/32	7/16	2 1/2	2	.083	.8	249345	478326
x 1		2 1/2	2 3/16	23/32	1/2	2 1/2	2 1/4	.083	.8	127682	478342
		2 1/2	2 3/16	23/32	1/2	2 1/2	2 1/4	.083	.8	127705	478350
		2 1/2	2 7/16	23/32	5/8	2 1/2	2 1/4	.083	1	127721	478376
2 1/2 x 2 1/2 x 1	2.875 x 2.875 x 1.315	3	2 5/16	7/8	7/16	3	2 1/4	.083	1	127763	473148
		3	2 7/16	7/8	1/2	3	2 1/2	.083	1	231059	468232
		3	2 11/16	7/8	5/8	3	2 5/8	.083	1.5	127789	420242
		3	2 3/4	7/8	21/32	3	2 3/4	.083	1.5	127802	478392
3 x 3 x 1/2	3.5 x 3.5 x .840	3 3/8	2 1/2	29/32	3/8	3 3/8	2 1/2	.095	2	127886	478407
		3 3/8	2 9/16	29/32	13/32	3 3/8	2 9/16	.095	2	127909	478423
		3 3/8	2 5/8	29/32	7/16	3 3/8	2 5/8	.095	2	127925	473164
		3 3/8	2 3/4	29/32	1/2	3 3/8	2 3/4	.095	2	127941	478431
		3 3/8	3	29/32	5/8	3 3/8	2 7/8	.095	2	127967	473122
		3 3/8	3 1/16	29/32	21/32	3 3/8	3	.095	2	127983	266737
3 1/2 x 3 1/2 x 1 1/2	4 x 4 x 1.90	3 3/4	3 1/4	15/16	5/8	3 3/4	3 1/8	.095	3	128002	473130
		3 3/4	3 5/16	15/16	21/32	3 3/4	3 1/4	.095	3	128060	478465
		3 3/4	3 9/16	15/16	25/32	3 3/4	3 1/2	.095	3	243080	478481
		3 3/4	3 11/16	15/16	27/32	3 3/4	3 5/8	.095	3	128044	478504
4 x 4 x 1 1/2	4.5 x 4.5 x 1.90	4 1/8	3 1/2	31/32	5/8	4 1/8	3 3/8	.109	4	128086	478512
		4 1/8	3 9/16	31/32	21/32	4 1/8	3 1/2	.109	4	128125	128141
		4 1/8	3 13/16	31/32	25/32	4 1/8	3 3/4	.109	4	128167	478538
		4 1/8	3 15/16	31/32	27/32	4 1/8	3 7/8	.109	4	128183	413601
		4 1/8	4	31/32	7/8	4 1/8	4	.109	4.5	128206	478554
5 x 5 x 2	5.56 x 5.56 x 2.375	4 7/8	4 5/16	1 3/32	21/32	4 7/8	4 1/8	.125	7	111607	478570
		4 7/8	4 3/8	1 3/32	25/32	4 7/8	4 1/4	.125	7	128832	478596
		4 7/8	4 7/16	1 3/32	27/32	4 7/8	4 3/8	.125	7	128816	478619
		4 7/8	4 9/16	1 3/32	7/8	4 7/8	4 1/2	.125	7	128793	478635
x 2.875	4 7/8	4 5/8	1 3/32	29/32	4 7/8	4 5/8	.125	7.5	128777	292924	
x 4.00	4 7/8	4 5/8	1 3/32	29/32	4 7/8	4 5/8	.125	7.5	132611	478651	

Sizes and reductions not shown are available on request. 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).