


**DIN 86090 - Butt Welding Fittings connecting with DIN 86019**

Diameter Size			Material Cu-Ni 90/10 and Cu-Ni 70/30							
Nominal		OD	10 bar			14 bar			A (mm)	B (mm)
			t (mm)	Weight (KG)		t (mm)	Weight (KG)			
Inch	mm	D (mm)		45°	90°		45°	90°		
<b>Seamless Short Radius Elbows</b>										
1/2	16	20	1	0.007	0.014	1.5	0.009	0.021	22.4	8.92
3/4	20	25	1.5	0.01	0.02	1.5	0.01	0.02	24.6	9.77
1	25	30	1.5	0.02	0.04	2	0.027	0.053	30.0	12
1 1/4	32	38	1.5	0.04	0.08	2	0.053	0.107	32.5	14
1 1/2	40	44.5	1.5	0.06	0.12	2	0.08	0.16	40	17
2	50	57	1.5	0.10	0.20	2	0.133	0.27	52.5	22
2 1/2	65	76 (76.1)	2	0.22	0.44	2	0.22	0.44	70	29
3	80	88.9 (89)	2	0.32	0.64	2.5	0.40	0.80	82.5	34
4	100	108	2.5	0.58	1.16	2.5	0.58	1.16	100	41
5	125	133	2.5	0.90	1.80	3	1.08	2.16	125	52
6	150	159	2.5	1.30	2.60	3	1.56	3.12	150	62
7	175	193.7 (194)	2.5	1.90	3.80	3.5	2.66	5.32	180	75
8	200	219 (219.1)	3	3.00	6.00	3.5	3.50	7.00	210	87
10	250	267	3	4.40	8.80	4	5.87	11.74	255	106