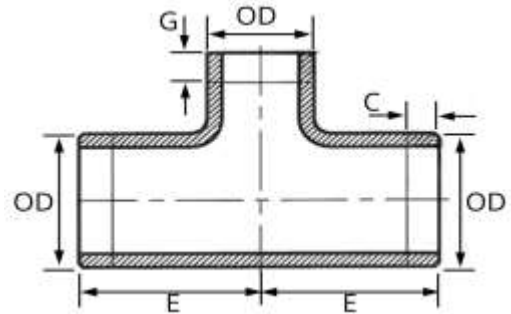


REDUCING TEE NAVSEA DWG 810-1385880

Buttweld, Class 200

90/10 Copper Nickel (UNS C70600)

70/30 Copper Nickel (UNS C71500)



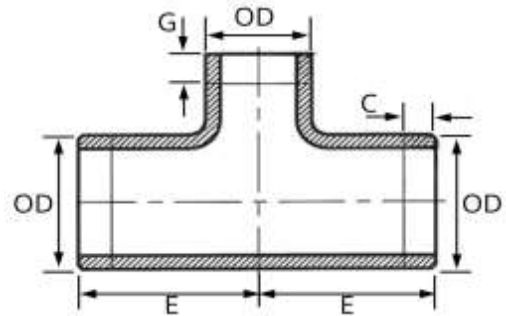
DIMENSIONS														
NOMINAL PIPE SIZE				OD		M	C (Min)	G (Min)	E	WEIGHT (lb)	TORK P/N (90/10)	TORK P/N (70/30)		
1 1/4	x	1 1/4	x	3/4	1.66	x	1.05	1.688	0.563	0.406	1.875	0.4	M109785	M110631
1 1/4	x	1 1/4	x	1	1.66	x	1.315	1.75	0.563	0.438	1.875	0.4	M109786	M110632
1 1/2	x	1 1/2	x	1/2	1.9	x	0.84	1.75	0.688	0.375	2.25	0.6	M109787	M110633
1 1/2	x	1 1/2	x	3/4	1.9	x	1.05	1.813	0.688	0.406	2.25	0.6	M109788	M110634
1 1/2	x	1 1/2	x	1	1.9	x	1.315	1.875	0.688	0.438	2.25	0.6	M109789	M110635
1 1/2	x	1 1/2	x	1 1/4	1.9	x	1.66	2	0.688	0.5	2.25	0.6	M109790	M110636
2	x	2	x	1/2	2.375	x	0.84	1.938	0.719	0.375	2.5	0.8	Inquire	Inquire
2	x	2	x	3/4	2.375	x	1.05	2	0.719	0.406	2.5	0.8	M109791	Inquire
2	x	2	x	1	2.375	x	1.315	2.063	0.719	0.438	2.5	0.8	M109792	M110637
2	x	2	x	1 1/4	2.375	x	1.66	2.188	0.719	0.5	2.5	0.8	M109793	M110638
2	x	2	x	1 1/2	2.375	x	1.9	2.438	0.719	0.375	2.5	1	M109794	M110639
2 1/2	x	2 1/2	x	1	2.875	x	1.315	2.313	0.875	0.406	3	1	M109795	M110640
2 1/2	x	2 1/2	x	1 1/4	2.875	x	1.66	2.438	0.875	0.438	3	1	M109796	M110641
2 1/2	x	2 1/2	x	1 1/2	2.875	x	1.9	2.688	0.875	0.5	3	1.5	M109797	M110642
2 1/2	x	2 1/2	x	2	2.875	x	2.375	2.75	0.875	0.625	3	1.5	M109798	M110643
3	x	3	x	1/2	3.5	x	0.84	2.5	0.906	0.375	3.375	2	Inquire	Inquire
3	x	3	x	3/4	3.5	x	1.05	2.563	0.906	0.406	3.375	2	M137136	Inquire
3	x	3	x	1	3.5	x	1.315	2.625	0.906	0.438	3.375	2	M109801	M110646
3	x	3	x	1 1/4	3.5	x	1.66	2.75	0.906	0.5	3.375	2	M109802	M110647
3	x	3	x	1 1/2	3.5	x	1.9	3	0.906	0.625	3.375	2	M109803	M110648
3	x	3	x	2	3.5	x	2.375	3.063	0.906	0.656	3.375	2	M109804	M110649
3	x	3	x	2 1/2	3.5	x	2.875	3.313	0.906	0.781	3.375	2	M109805	M110650
3 1/2	x	3 1/2	x	1 1/2	4	x	1.9	3.25	0.938	0.625	3.75	3	M109808	M110653
3 1/2	x	3 1/2	x	2	4	x	2.375	3.313	0.938	0.656	3.75	3	M109809	M110654
3 1/2	x	3 1/2	x	2 1/2	4	x	2.875	3.563	0.938	0.656	3.75	3	M109810	M110655
3 1/2	x	3 1/2	x	3	4	x	3.5	3.688	0.938	0.656	3.75	4	M109811	M110656
4	x	4	x	1 1/2	4.5	x	1.9	3.5	0.969	0.625	4.125	4	M109813	M110658
4	x	4	x	2	4.5	x	2.375	3.916	0.969	0.656	4.125	4	M109814	M110659
4	x	4	x	2 1/2	4.5	x	2.875	3.813	0.969	0.781	4.125	4	M109815	M110660
4	x	4	x	3	4.5	x	3.5	3.938	0.969	0.844	4.125	4	M109816	M110661
4	x	4	x	3 1/2	4.5	x	4	4	0.969	0.875	4.125	4.5	M109817	M110662
5	x	5	x	2	5.56	x	2.375	4.313	1.094	0.656	4.875	7	M109819	M110665
5	x	5	x	2 1/2	5.56	x	2.875	4.375	1.094	0.781	4.875	7	M109820	M110666
5	x	5	x	3	5.56	x	3.5	4.438	1.094	0.844	4.875	7	M109821	M110667
5	x	5	x	3 1/2	5.56	x	4	4.563	1.094	0.875	4.875	7	M109822	M110668
5	x	5	x	4	5.56	x	4.5	4.625	1.094	0.906	4.875	7.5	M109823	M110669
6	x	6	x	2	6.625	x	2.375	4.813	1.172	0.656	5.625	10	M109825	M110671
6	x	6	x	2 1/2	6.625	x	2.875	5.063	1.172	0.781	5.625	10	M109826	M110672
6	x	6	x	3	6.625	x	3.5	5	1.172	0.844	5.625	10	M109827	M110673
6	x	6	x	3 1/2	6.625	x	4	5.063	1.172	0.875	5.625	10	M109828	M110674
6	x	6	x	4	6.625	x	4.5	5.125	1.172	0.906	5.625	10.5	M109829	M110675
6	x	6	x	5	6.625	x	5.562	5.375	1.172	1.031	5.625	11	M109830	M110676
8	x	8	x	2 1/2	8.625	x	2.875	5.875	1.375	0.781	7	20	Inquire	Inquire
8	x	8	x	3	8.625	x	3.5	6	1.375	0.844	7	20	M109831	M110677
8	x	8	x	3 1/2	8.625	x	4	6.063	1.375	0.875	7	20	M109832	M110678
8	x	8	x	4	8.625	x	4.5	6.125	1.375	0.906	7	20.5	M109833	M110679
8	x	8	x	5	8.625	x	5.562	6.375	1.375	1.031	7	21	M109834	M110680
8	x	8	x	6	8.625	x	6.625	6.563	1.375	1.125	7	21.5	M109835	M110681

REDUCING TEE NAVSEA DWG 810-1385880

Buttweld, Class 200

90/10 Copper Nickel (UNS C70600)

70/30 Copper Nickel (UNS C71500)



DIMENSIONS																
NOMINAL PIPE SIZE				OD			M	C (Min)	G (Min)	E	WEIGHT (lb)	TORK P/N (90/10)	TORK P/N (70/30)			
12	x	12	x	5	12.75	x	12.75	x	5.562	8.438	1.688	1.031	10	74	Inquire	Inquire
12	x	12	x	6	12.75	x	12.75	x	6.625	8.625	1.688	1.125	10	76	M109840	M110686
12	x	12	x	8	12.75	x	12.75	x	8.625	9	1.688	1.313	10	78	M109841	M110687
12	x	12	x	10	12.75	x	12.75	x	10.75	9.375	1.688	1.031	10	81	M109842	M110688
14	x	14	x	6	14	x	14	x	6.625	9.375	0.5	1.125	11	80	Inquire	Inquire
14	x	14	x	8	14	x	14	x	8.625	9.75	0.5	1.313	11	82	Inquire	Inquire
14	x	14	x	10	14	x	14	x	10.75	10.125	0.5	1.5	11	84	Inquire	Inquire
14	x	14	x	12	14	x	14	x	12.75	10.625	0.5	1.125	11	86	M109843	M110689
16	x	16	x	8	16	x	16	x	8.625	10.75	0.5	1.313	12	102	Inquire	Inquire
16	x	16	x	10	16	x	16	x	10.75	11.125	0.5	1.5	12	105	M109844	M110690
16	x	16	x	12	16	x	16	x	12.75	11.625	0.5	1.833	12	107	Inquire	Inquire
16	x	16	x	14	16	x	16	x	14	12	0.5	1.5	12	109	Inquire	Inquire
18	x	18	x	10	18	x	18	x	10.75	12.125	0.5	1.5	13.5	127	Inquire	Inquire
18	x	18	x	12	18	x	18	x	12.75	12.625	0.5	1.625	13.5	130	Inquire	Inquire
18	x	18	x	14	18	x	18	x	14	13	0.5	1.5	13.5	133	Inquire	Inquire
18	x	18	x	16	18	x	18	x	16	13	0.5	1.5	13.5	135	Inquire	Inquire
20	x	20	x	12	20	x	20	x	12.75	13.625	0.5	1.625	15	153	Inquire	Inquire
20	x	20	x	14	20	x	20	x	14	14	0.5	1.5	15	156	Inquire	Inquire
20	x	20	x	16	20	x	20	x	16	14	0.5	1.5	15	158	Inquire	Inquire
20	x	20	x	18	20	x	20	x	18	14.5	0.5	1.5	15	140	Inquire	Inquire
24	x	24	x	14	24	x	24	x	14	16	0.5	1.5	17	204	Inquire	Inquire
24	x	24	x	16	24	x	24	x	16	16	0.5	1.5	17	208	Inquire	Inquire
24	x	24	x	18	24	x	24	x	18	16.5	0.5	1.5	17	211	Inquire	Inquire
24	x	24	x	20	24	x	24	x	20	17	0.5	1.5	17	214	Inquire	Inquire
30	x	30	x	18	30	x	30	x	18	19.5	0.5	1.5	22	256	Inquire	Inquire
30	x	30	x	20	30	x	30	x	20	20	0.5	1.5	22	261	Inquire	Inquire
30	x	30	x	24	30	x	30	x	24	21	0.5	1.5	22	267	Inquire	Inquire
36	x	36	x	20	36	x	36	x	20	23	0.5	1.5	26.5	306	Inquire	Inquire
36	x	36	x	24	36	x	36	x	24	24	0.5	1.5	26.5	314	Inquire	Inquire
36	x	36	x	30	36	x	36	x	30	25	0.5	1.5	26.5	322	Inquire	Inquire