

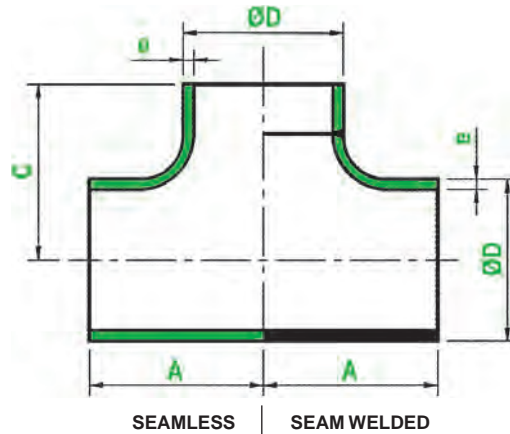
# Equal Tees

10 Bar

14 Bar

16 Bar

20 Bar



Material : CuNi 90/10 | CuNi 70/30

Outside Diameter of Pipe - ØD		DIN 86088								EEMUA 146							
		10 Bar				14 Bar				16 Bar				20 Bar			
Nominal (Inch)	Actual (mm)	e (mm)	A (mm)	C (mm)	kg /pc	e (mm)	A (mm)	C (mm)	kg /pc	e (mm)	A (mm)	C (mm)	kg /pc	e (mm)	A (mm)	C (mm)	kg /pc
<b>SEAMLESS</b>																	
1/2	20	1.0	25	25	0.05	1.5	25	25	0.075	-	-	-	-	-	-	-	-
3/4	25	1.5	29	29	0.07	1.5	29	29	0.07	2.0	29	29	0.013	2.0	29	29	0.093
1	30	1.5	38	38	0.10	2.0	38	38	0.133	2.5	38	38	0.18	2.5	38	38	0.18
1¼	38	1.5	48	48	0.13	2.0	48	48	0.173	2.5	48	48	0.29	2.5	48	48	0.29
1½	44.5	1.5	57	57	0.19	2.0	57	57	0.251	2.5	57	57	0.43	2.5	57	57	0.43
2	57	1.5	64	64	0.29	2.0	64	64	0.387	2.5	64	64	0.57	2.5	64	64	0.57
2½	76.1	2.0	76	76	0.65	2.0	76	76	0.65	2.5	76	76	0.88	2.5	76	76	0.88
3	88.9	2.0	86	86	0.82	2.5	86	86	1.03	2.5	86	86	1.16	2.5	86	86	1.16
4	108	2.5	105	105	1.60	2.5	105	105	1.60	3.0	105	105	2.09	3.0	105	105	2.09
5	133	2.5	124	124	2.80	3.0	124	124	3.36	-	-	-	-	-	-	-	-
6	159	2.5	143	143	4.40	3.0	143	143	5.28	3.0	143	143	4.07	3.5	143	143	4.74
7	193.7	2.5	157	157	4.70	3.0	157	157	6.60	-	-	-	-	-	-	-	-
8	219.1	3.0	178	178	12.80	3.5	178	178	14.95	4.0	178	178	17.00	4.5	178	178	19.10
<b>SEAM WELDED</b>																	
10	267	3.0	216	216	16.60	4.0	216	216	22.10	4.5	216	216	24.90	5.5	216	216	30.40
12	323.9	4.0	254	254	31.50	5.0	254	254	39.40	5.5	254	254	43.30	7.0	254	254	55.10
14	368	4.0	279	279	39.40	5.5	279	279	54.20	6.5	279	279	64.05	8.0	279	279	78.80
16	419.1	4.0	305	305	55.10	6.0	305	305	82.65	7.0	305	305	96.40	9.0	305	305	124.00
18	457.2	4.0	343	343	67.65	6.0	343	343	101.50	8.0	343	343	135.3	9.5	343	343	160.65
20	508	4.5	381	381	92.80	6.5	381	381	134.10	8.5	381	381	175.3	11.0	381	381	226.90
24	610	5.0	432	432	126.60	8.0	432	432	202.60	10.5	432	432	265.9	13.0	432	432	329.20
28	711	-	-	-	-	-	-	-	-	12.0	521	521	427.00	15.0	521	521	533.75
32	813	-	-	-	-	-	-	-	-	13.5	597	597	546.10	17.0	597	597	687.70
36	914	-	-	-	-	-	-	-	-	15.5	673	673	794.10	19.0	673	673	973.40



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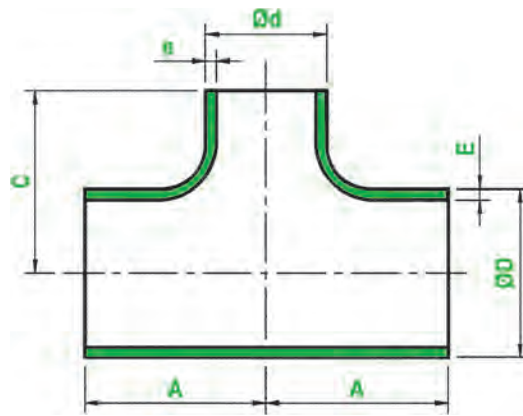
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# Reducing Tees

10 Bar

14 Bar



Material : CuNi 90/10 | CuNi 70/30

Outside Diameter of Pipe						DIN 86088									
ØD x Ød			ØD x Ød			10 Bar					14 Bar				
Nominal (Inch)		Actual (mm)				E (mm)	e (mm)	A (mm)	C (mm)	kg /pc	E (mm)	e (mm)	A (mm)	C (mm)	kg /pc
<b>SEAMLESS</b>															
1	x	1/2	30	x	20	1.5	1.0	38	30	0.07	2.0	1.5	38	30	0.08
1	x	3/4	30	x	25	1.5	1.5	38	33	0.07	2.0	1.5	38	33	0.08
1¼	x	1	38	x	30	1.5	1.5	48	42	0.10	2.0	2.0	48	42	0.13
1½	x	1	44.5	x	30	1.5	1.5	57	45	0.21	2.0	2.0	57	45	0.23
1½	x	1¼	44.5	x	38	1.5	1.5	57	51	0.21	2.0	2.0	57	51	0.23
2	x	1	57	x	30	1.5	1.5	64	51	0.32	2.0	2.0	64	51	0.35
2	x	1¼	57	x	38	1.5	1.5	64	57	0.32	2.0	2.0	64	57	0.35
2	x	1½	57	x	44.5	1.5	1.5	64	63	0.32	2.0	2.0	64	63	0.35
2½	x	1	76.1	x	30	2.0	1.5	76	56	0.65	2.0	2.0	76	56	0.85
2½	x	1¼	76.1	x	38	2.0	1.5	76	62	0.65	2.0	2.0	76	62	0.85
2½	x	1½	76.1	x	44.5	2.0	1.5	76	71	0.67	2.0	2.0	76	71	0.89
2½	x	2	76.1	x	57	2.0	1.5	76	73	0.67	2.0	2.0	76	73	0.89
3	x	1¼	88.9	x	38	2.0	1.5	86	73	0.87	2.5	1.5	86	73	1.08
3	x	1½	88.9	x	44.5	2.0	1.5	86	76	0.87	2.5	1.5	86	76	1.08
3	x	2	88.9	x	57	2.0	1.5	86	80	0.89	2.5	1.5	86	80	1.10
3	x	2½	88.9	x	76.1	2.0	2.0	86	83	0.92	2.5	2.0	86	83	1.15
4	x	1½	108	x	44.5	2.5	1.5	105	89	1.60	2.5	2.0	105	89	1.70
4	x	2	108	x	57	2.5	1.5	105	90	1.60	2.5	2.0	105	90	1.70
4	x	2½	108	x	76.1	2.5	2.0	105	92	1.65	2.5	2.0	105	92	1.75
4	x	3	108	x	88.9	2.5	2.0	105	96	1.65	2.5	2.5	105	96	1.65
5	x	2	133	x	57	2.5	1.5	124	98	3.00	3.0	1.5	124	98	3.60
5	x	2½	133	x	76.1	2.5	2.0	124	105	3.10	3.0	2.0	124	105	3.70
5	x	3	133	x	88.9	2.5	2.0	124	108	3.25	3.0	2.5	124	108	3.90
5	x	4	133	x	108	2.5	2.5	124	117	3.30	3.0	2.5	124	117	3.95
6	x	2½	159	x	76.1	2.5	2.0	143	118	4.40	3.0	2.0	143	118	5.25
6	x	3	159	x	88.9	2.5	2.0	143	121	4.50	3.0	2.5	143	121	5.40
6	x	4	159	x	108	2.5	2.5	143	130	4.60	3.0	2.5	143	130	5.50
6	x	5	159	x	133	2.5	2.5	143	136	4.60	3.0	3.0	143	136	5.50
8	x	4	219.1	x	108	3.0	2.5	178	156	12.60	3.5	2.5	178	156	14.75
8	x	5	219.1	x	133	3.0	2.5	178	162	12.70	3.5	3.0	178	162	14.85
8	x	6	219.1	x	159	3.0	2.5	178	168	12.80	3.5	3.0	178	168	14.95



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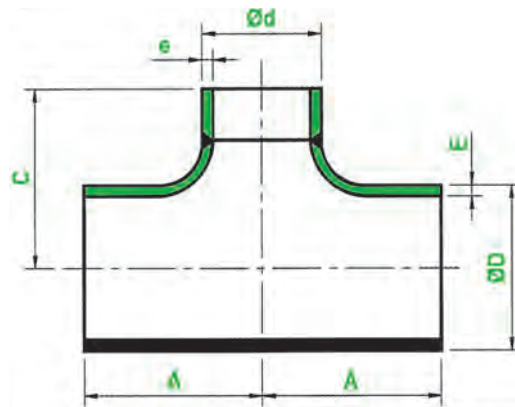
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# Reducing Tees

10 Bar

14 Bar



Material : CuNi 90/10 | CuNi 70/30

Outside Diameter of Pipe						DIN 86088									
ØD x Ød			ØD x Ød			10 Bar					14 Bar				
Nominal (Inch)			Actual (mm)			E (mm)	e (mm)	A (mm)	C (mm)	kg /pc	E (mm)	e (mm)	A (mm)	C (mm)	kg /pc
10	x	4	267	x	108	3.0	2.5	194	209	12.50	4.0	2.5	194	209	16.70
10	x	5	267	x	133	3.0	2.5	217	219	13.50	4.0	3.0	217	219	18.00
10	x	6	267	x	159	3.0	2.5	240	229	14.80	4.0	3.0	240	229	19.75
10	x	7	267	x	193.7	3.0	2.5	267	243	15.20	4.0	3.5	267	243	20.25
10	x	8	267	x	219.1	3.0	3.0	290	259	16.60	4.0	3.5	290	259	22.10
<b>SEAM WELDED</b>															
12	x	5	323.9	x	133	4.0	2.5	217	247	28.60	5.0	3.0	217	247	35.75
12	x	6	323.9	x	159	4.0	2.5	240	257	30.45	5.0	3.0	240	257	38.00
12	x	7	323.9	x	193.7	4.0	2.5	267	272	32.60	5.0	3.5	267	272	40.75
12	x	8	323.9	x	219.1	4.0	3.0	290	287	34.60	5.0	3.5	290	287	43.25
12	x	10	323.9	x	267	4.0	3.0	324	317	37.80	5.0	4.0	324	317	47.25
14	x	6	368	x	159	4.0	2.5	240	279	37.40	5.5	3.0	240	279	51.40
14	x	7	368	x	193.7	4.0	2.5	267	294	39.85	5.5	3.5	267	294	54.20
14	x	8	368	x	219.1	4.0	3.0	290	309	42.10	5.5	3.5	290	309	57.90
14	x	10	368	x	267	4.0	3.0	324	339	45.55	5.5	4.0	324	339	62.65
14	x	12	368	x	323.9	4.0	4.0	380	369	52.00	5.5	5.0	380	369	71.50
16	x	7	419.1	x	193.7	4.0	2.5	267	319	49.10	6.0	3.5	267	319	73.65
16	x	8	419.1	x	219.1	4.0	3.0	290	335	52.10	6.0	3.5	290	335	78.15
16	x	10	419.1	x	267	4.0	3.0	324	365	56.40	6.0	4.0	324	365	84.60
16	x	12	419.1	x	323.9	4.0	4.0	380	395	64.80	6.0	5.0	380	395	97.20
16	x	14	419.1	x	368	4.0	4.0	407	410	68.90	6.0	5.5	407	410	103.35
18	x	10	457.2	x	267	4.0	3.0	324	383	55.70	6.0	4.0	324	383	83.55
18	x	12	457.2	x	323.9	4.0	4.0	380	413	64.60	6.0	5.0	380	413	96.90
18	x	14	457.2	x	368	4.0	4.0	407	428	68.90	6.0	5.5	407	428	103.35
18	x	16	457.2	x	419.1	4.0	4.0	440	453	74.60	6.0	6.0	440	453	111.90
20	x	12	508	x	323.9	4.5	4.0	380	439	72.50	6.5	5.0	380	439	104.70
20	x	14	508	x	368	4.5	4.0	407	454	77.40	6.5	5.5	407	454	111.80
20	x	16	508	x	419.1	4.5	4.0	440	479	83.90	6.5	6.0	440	479	121.20
20	x	18	508	x	457.2	4.5	4.0	500	509	94.10	6.5	6.0	500	509	135.90
24	x	14	610	x	368	5.0	4.0	407	505	109.95	8.0	5.5	407	505	175.90
24	x	16	610	x	419.1	5.0	4.0	440	530	117.85	8.0	6.0	440	530	188.55
24	x	18	610	x	457.2	5.0	4.0	500	555	130.35	8.0	6.0	500	555	208.60
24	x	20	610	x	508	5.0	4.5	540	580	141.85	8.0	6.5	540	580	226.95



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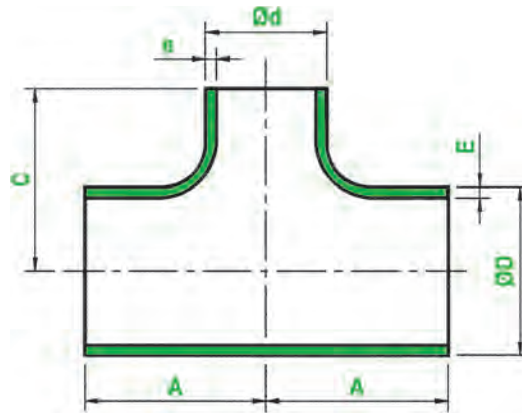
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# Reducing Tees

16 Bar

20 Bar



Material : CuNi 90/10 | CuNi 70/30

Outside Diameter of Pipe						EEMUA 146									
ØD x Ød			ØD x Ød			16 Bar					20 Bar				
Nominal (Inch)			Actual (mm)			E (mm)	e (mm)	A (mm)	C (mm)	kg /pc	E (mm)	e (mm)	A (mm)	C (mm)	kg /pc
<b>SEAMLESS</b>															
1	x	3/4	30	x	25	2.5	2.0	38	38	0.17	2.5	2.0	38	38	0.17
1¼	x	3/4	38	x	25	2.5	2.0	48	48	0.28	2.5	2.0	48	48	0.28
1¼	x	1	38	x	30	2.5	2.5	48	48	0.28	2.5	2.5	48	48	0.28
1½	x	3/4	44.5	x	25	2.5	2.0	57	57	0.37	2.5	2.0	57	57	0.37
1½	x	1	44.5	x	30	2.5	2.5	57	57	0.40	2.5	2.5	57	57	0.40
1½	x	1¼	44.5	x	38	2.5	2.5	57	57	0.41	2.5	2.5	57	57	0.41
2	x	1	57	x	30	2.5	2.5	64	51	0.51	2.5	2.5	64	51	0.51
2	x	1¼	57	x	38	2.5	2.5	64	57	0.54	2.5	2.5	64	57	0.54
2	x	1½	57	x	44.5	2.5	2.5	64	60	0.55	2.5	2.5	64	60	0.55
2½	x	1¼	76.1	x	38	2.5	2.5	76	64	0.83	2.5	2.5	76	64	0.83
2½	x	1½	76.1	x	44.5	2.5	2.5	76	67	0.84	2.5	2.5	76	67	0.84
2½	x	2	76.1	x	57	2.5	2.5	76	70	0.85	2.5	2.5	76	70	0.85
3	x	1½	88.9	x	44.5	2.5	2.5	86	73	1.10	2.5	2.5	86	73	1.10
3	x	2	88.9	x	57	2.5	2.5	86	76	1.12	2.5	2.5	86	76	1.12
3	x	2½	88.9	x	76.1	2.5	2.5	86	83	1.15	2.5	2.5	86	83	1.15
4	x	2	108	x	57	3.0	2.5	105	89	1.90	3.0	2.5	105	89	1.90
4	x	2½	108	x	76.1	3.0	2.5	105	95	1.92	3.0	2.5	105	95	1.92
4	x	3	108	x	88.9	3.0	2.5	105	98	1.95	3.0	2.5	105	98	1.95
6	x	2½	159	x	76.1	3.0	2.5	143	121	3.95	3.5	2.5	143	121	4.60
6	x	3	159	x	88.9	3.0	2.5	143	124	4.00	3.5	2.5	143	124	4.65
6	x	4	159	x	108	3.0	3.0	143	130	4.05	3.5	3.0	143	130	4.72
8	x	3	219.1	x	88.9	4.0	2.5	178	152	16.60	4.5	2.5	178	152	18.70
8	x	4	219.1	x	108	4.0	3.0	178	156	16.90	4.5	3.0	178	156	19.00
8	x	6	219.1	x	159	4.0	3.0	178	168	17.00	4.5	3.5	178	168	19.10



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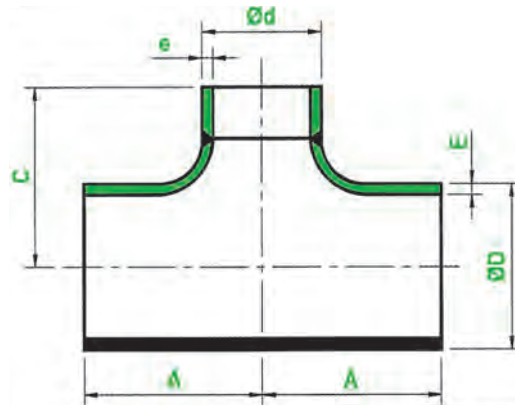
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# Reducing Tees

16 Bar

20 Bar



Material : CuNi 90/10 | CuNi 70/30

Outside Diameter of Pipe						EEMUA 146									
ØD x ød			ØD x ød			16 Bar					20 Bar				
Nominal (Inch)			Actual (mm)			E (mm)	e (mm)	A (mm)	C (mm)	kg /pc	E (mm)	e (mm)	A (mm)	C (mm)	kg /pc
10	x	4	267	x	108	4.5	3.0	216	184	21.60	5.5	3.0	216	184	26.40
10	x	6	267	x	159	4.5	3.0	216	194	21.75	5.5	3.5	216	194	26.60
10	x	8	267	x	219.1	4.5	4.0	216	203	21.90	5.5	4.5	216	203	26.75
SEAM WELDED															
12	x	6	323.9	x	159	5.5	3.0	254	219	38.50	7.0	3.5	254	219	49.00
12	x	8	323.9	x	219.1	5.5	4.0	254	229	39.60	7.0	4.5	254	229	50.40
12	x	10	323.9	x	267	5.5	4.5	254	241	40.70	7.0	5.5	254	241	51.80
14	x	8	368	x	219.1	6.5	4.0	279	248	58.80	8.0	4.5	279	248	72.35
14	x	10	368	x	267	6.5	4.5	279	257	59.70	8.0	5.5	279	257	73.50
14	x	12	368	x	323.9	6.5	5.5	279	270	61.50	8.0	7.0	279	270	75.70
16	x	10	419.1	x	267	7.0	4.5	305	283	89.60	9.0	5.5	305	283	115.20
16	x	12	419.1	x	323.9	7.0	5.5	305	295	91.40	9.0	7.0	305	295	117.50
16	x	14	419.1	x	368	7.0	6.5	305	305	93.50	9.0	8.0	305	305	120.20
18	x	12	457.2	x	323.9	8.0	5.5	343	321	126.30	9.5	7.0	343	321	150.00
18	x	14	457.2	x	368	8.0	6.5	343	330	128.30	9.5	8.0	343	330	152.35
18	x	16	457.2	x	419.1	8.0	7.0	343	330	129.90	9.5	9.0	343	330	154.25
20	x	14	508	x	368	8.5	6.5	381	356	162.00	11.0	8.0	381	356	209.65
20	x	16	508	x	419.1	8.5	7.0	381	356	164.20	11.0	9.0	381	356	212.50
20	x	18	508	x	457.2	8.5	8.0	381	368	168.30	11.0	9.5	381	368	217.80
24	x	8	610	x	419.1	10.5	7.0	432	406	248.30	13.0	9.0	432	406	307.40
24	x	10	610	x	457.2	10.5	8.0	432	419	251.70	13.0	9.5	432	419	311.60
24	x	12	610	x	508	10.5	8.5	432	432	255.30	13.0	11.0	432	432	310.10
29	x	10	711	x	457.2	12.0	8.0	521	470	394.60	15.0	9.5	521	470	493.25
29	x	12	711	x	508	12.0	8.5	521	483	398.20	15.0	11.0	521	483	497.75
29	x	14	711	x	610	12.0	10.5	521	508	409.90	15.0	13.0	521	508	512.40
32	x	8	813	x	508	13.5	8.5	597	533	495.00	17.0	11.0	597	533	623.30
32	x	10	813	x	610	13.5	10.5	597	559	506.80	17.0	13.0	597	559	638.20
32	x	12	813	x	711	13.5	12.0	597	572	518.80	17.0	15.0	597	572	653.30
36	x	10	914	x	610	15.5	10.5	673	610	723.60	19.0	13.0	673	610	887.00
36	x	12	914	x	711	15.5	12.0	673	622	735.40	19.0	15.0	673	622	901.45
36	x	14	914	x	813	15.5	13.5	673	648	754.40	19.0	17.0	673	648	924.75



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