

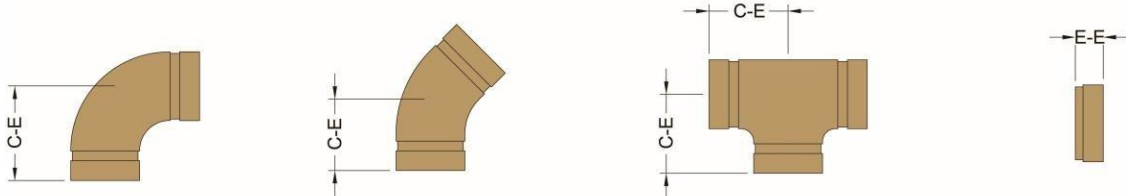
GROOVED FITTINGS FOR COPPER TUBING

Shurjoint Grooved-end fittings are produced from bronze castings. Bronze castings are produced from lead-free alloy C83470 or C89836 bismuth alloy per ASTM B584. Materials are UL classified in accordance with NSF/ANSI 61 and NSF/ANSI 372 for portable water use **Shurjoint** fittings are designed for use with **Shurjoint** CTS couplings, components and ASTM B-88 roll grooved copper tubing type K, L, M and ASTM B-306 DWV.

**10
YEAR
LIMITED
WARRANTY**

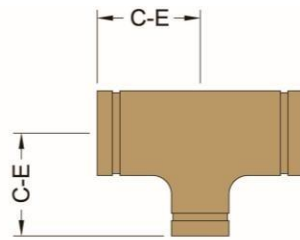
Full warranty terms
can be found on
www.shurjoint.com

MODEL C10 90° ELBOW (CAST)
C11 45° ELBOW (CAST)
C20 TEE (CAST)
C60 CAP (CAST)



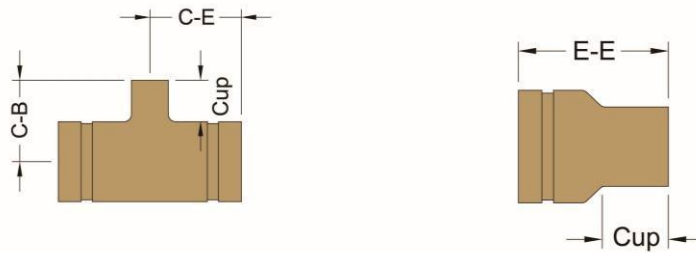
Model C10 / C11 / C20 / C60 Grooved Fitting For Copper Tubing

Nominal Pipe Size	Pipe O.D.	C10 90° Elbow		C11 45° Elbow		C20 Tee		C60 Cap	
		C-E	Weight	C-E	Weight	C-E	Weight	E-E	Weight
in mm	in mm	in mm	Lbs Kgs	in mm	Lbs Kgs	in mm	Lbs Kgs	in mm	Lbs Kgs
2 50	2.125 54.0	2.91 74	1.5 0.7	2.19 56	1.7 0.8	2.44 62	1.8 0.8	0.96 24	0.6 0.3
2½ 65	2.625 66.7	3.31 84	2.0 0.9	2.31 59	2.1 1.0	3.20 81	2.9 1.3	0.96 24	0.9 0.4
3 80	3.125 79.4	3.81 97	2.6 1.2	2.59 66	3.2 1.4	3.50 89	3.7 1.7	0.96 24	1.2 0.6
4 100	4.125 104.8	4.75 121	5.5 2.5	3.35 85	5.5 2.5	4.25 108	7.3 3.3	0.96 24	2.1 1.0
5 125	5.125 130.2	5.94 151	11.5 5.2	3.25 83	7.9 3.6	5.94 151	17.2 7.8	0.96 24	3.5 1.6
6 150	6.125 155.6	6.94 176	16.5 7.5	3.63 92	10.2 4.6	6.94 176	26.2 11.9	0.96 24	4.4 2.0

**MODEL C21 REDUCING TEE (GR X GR X GR) (CAST)
C50 CONCENTRIC REDUCER (GR X GR) (CAST)**

Model C21 Reducing Tee / C50 Concentric Reducer

Nominal Pipe Size	Pipe O.D.	C21 Reducing Tee		C50 Concentric Reducer	
		C-E	Weight	E-E	Weight
in mm	in mm	in mm	Lbs Kgs	in mm	Lbs Kgs
2½ x 2 65 x 50	2.625 x 2.125 66.7 x 54.0	3.20 81	3.6 1.6	2.50 64	1.2 0.6
3 x 2 80 x 50	3.125 x 2.125 79.4 x 54.0	3.50 89	4.8 2.2	2.50 64	1.5 0.7
3 x 2½ 80 x 65	3.125 x 2.625 79.4 x 66.7	3.50 89	4.8 2.2	2.50 64	1.5 0.7
4 x 2 100 x 50	4.125 x 2.125 104.8 x 54.0	4.25 108	7.7 3.5	3.00 76	2.5 1.2
4 x 2½ 100 x 65	4.125 x 2.625 104.8 x 66.7	4.25 108	7.9 3.6	3.00 76	2.6 1.2
4 x 3 100 x 80	4.125 x 3.125 104.8 x 79.4	4.25 108	8.1 3.7	3.00 76	2.5 1.1
5 x 3 125 x 80	5.125 x 3.125 130.2 x 79.4	5.94 151	16.7 7.6	3.50 89	4.4 2.0
5 x 4 125 x 100	5.125 x 4.125 130.2 x 104.8	5.94 151	17.2 7.8	3.50 89	4.4 2.0
6 x 2½ 150 x 65	6.125 x 2.625 155.6 x 66.7	6.94 176	22.9 10.4	4.00 102	6.0 2.7
6 x 3 150 x 80	6.125 x 3.125 155.6 x 79.4	6.94 176	23.5 10.7	4.00 102	6.0 2.7
6 x 4 150 x 100	6.125 x 4.125 155.6 x 104.8	6.94 176	23.5 10.7	4.00 102	5.8 2.7
6 x 5 150 x 125	6.125 x 5.125 155.6 x 130.2	6.94 176	26.2 11.9	4.00 102	5.9 2.7

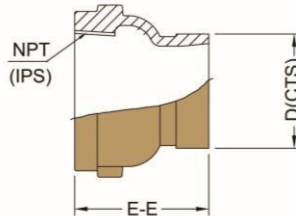
**MODEL C26 REDUCING TEE (GR X GR X CUP) (CAST)
C52 CONCENTRIC REDUCER (GR X CUP) (CAST)**



Model C26 Reducing Tee / C52 Concentric Reducer								
Nominal Size	C26 Red. Tee (Gr X Gr x Cup)			C52 Conc. Reducer (Gr X Cup)				
	C-E	C-B	Cup	Weight	E-E	Cup	Weight	
in mm	in mm	in mm	in mm	Lbs Kgs	in mm	in mm	Lbs Kgs	
2 x 2 x ¾ 50 x 50 x 20	2.20 56	1.97 50	0.75 19	1.6 0.7	---	---	---	---
2 x 2 x 1 50 x 50 x 25	2.33 59	2.20 56	0.91 23	1.6 0.7	2.70 69	0.91 23	0.7 0.3	
2 x 2 x 1¼ 50 x 50 x 32	2.48 63	2.36 60	0.97 25	1.7 0.8	3.00 76	0.97 25	0.8 0.4	
2 x 2 x 1½ 50 x 50 x 40	2.56 65	2.28 58	1.09 28	2.0 0.9	2.94 75	1.09 28	0.8 0.4	
2½ x 2½ x ¾ 65 x 65 x 20	2.25 57	2.25 57	0.75 19	1.9 0.9	---	---	---	---
2½ x 2½ x 1 65 x 65 x 25	2.40 61	2.41 61	0.91 23	2.2 1.0	3.19 81	0.91 23	1.2 0.5	
2½ x 2½ x 1¼ 65 x 65 x 32	2.52 64	2.55 65	0.97 25	2.3 1.1	3.19 81	0.97 25	1.2 0.5	
2½ x 2½ x 1½ 65 x 65 x 40	2.70 69	2.67 68	1.09 28	2.6 1.2	3.19 81	1.09 28	1.2 0.5	
2½ x 2½ x 2 65 x 65 x 50	2.95 75	2.84 72	1.34 34	3.0 1.4	3.19 81	1.34 34	1.2 0.5	
3 x 3 x ¾ 80 x 80 x 20	2.44 62	2.50 64	0.75 19	2.9 1.3	---	---	---	---
3 x 3 x 1 80 x 80 x 25	2.55 65	2.80 71	0.91 23	2.9 1.3	---	---	---	---
3 x 3 x 1¼ 80 x 80 x 32	2.63 67	2.87 73	0.97 25	3.1 1.4	---	---	---	---
3 x 3 x 1½ 80 x 80 x 40	2.85 72	2.99 76	1.09 28	3.3 1.5	3.68 93	1.09 28	1.7 0.8	
3 x 3 x 2 80 x 80 x 50	3.11 79	3.09 78	1.34 34	3.7 1.7	3.94 100	1.34 34	1.9 0.9	
4 x 4 x ¾ 100 x 100 x 20	3.00 76	2.95 75	0.75 19	4.8 2.2	---	---	---	---
4 x 4 x 1 100 x 100 x 25	3.10 79	3.23 82	0.91 23	5.1 2.3	---	---	---	---
4 x 4 x 1¼ 100 x 100 x 32	3.25 83	3.46 88	0.97 25	5.5 2.5	---	---	---	---
4 x 4 x 1½ 100 x 100 x 40	3.35 85	3.66 93	1.09 28	5.6 2.5	---	---	---	---
4 x 4 x 2 100 x 100 x 50	3.62 92	3.59 91	1.34 34	5.9 2.7	4.56 116	1.34 34	3.2 1.4	

MODEL C55 TRANSITION ADAPTER (IPS X CTS)

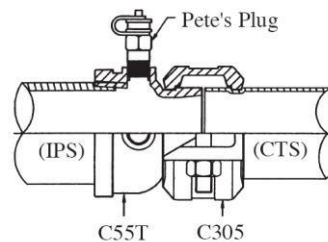
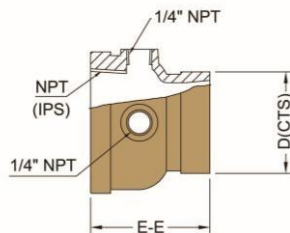
The Model C55 Transition Adapter provides for a direct transition between male threaded-end steel pipe (IPS) and grooved-end copper tubing. The C55 is UL classified to NSF/ANSI 61 and NSF/ANSI 372 for use in potable water systems.



Model C55 Transition Adapter					
Nominal Pipe Size IPS (NPT) x CTS (GRV)	Actual Pipe O.D.		E - E	Weight	
	Steel Pipe (IPS) O.D.	Copper Tubing (CTS) D			
	in mm	in mm			
1½ x 2 40 x 50	1.900 48.3	2.125 54.0	2.50 63	1.3 0.6	
2 x 2 50 x 50	2.375 60.3	2.125 54.0	2.50 63	1.4 0.7	
2½ x 2½ 65 x 65	2.875 73.0	2.625 66.7	2.75 70	2.4 1.1	
3 x 3 80 x 80	3.500 88.9	3.125 79.4	3.00 76	3.3 1.5	

**MODEL C55T TRANSITION ADAPTER (IPS/FT X CTS/GR)
WITH ¼ " TAPS**

The Model C55T Transition Adapter with ¼" taps provides for a direct transition between male threaded-end steel pipe (IPS) and grooved-end copper tubing.



Allows for the installation of gauges or Pete's Plugs for measuring temperature and or pressure.

Model C55T Transition Adapter					
Nominal Pipe Size IPS (NPT) x CTS (GRV)	Steel Pipe (IPS) O.D.	Copper Tubing (CTS) D	E - E	Weight	
	in mm	in mm			
	in mm	in mm			
1½ x 2 40 x 50	1.900 48.3	2.125 54.0	2.50 63	1.1 0.5	
2 x 2 50 x 50	2.375 60.3	2.125 54.0	2.50 63	1.3 0.6	
2½ x 2½ 65 x 65	2.875 73.0	2.625 66.7	2.75 70	2.0 0.9	

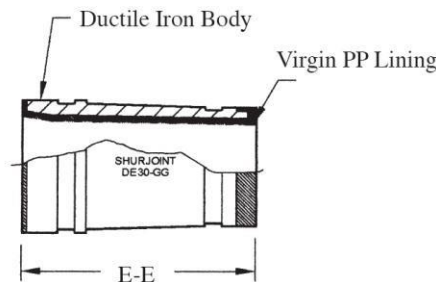
MODEL DE30-GG DIELECTRIC TRANSITION FITTING (IPS X CTS)

The Model DE30-GG Dielectric Transition Fitting provides a direct transition between a grooved-end steel pipe (IPS) and grooved end copper tubing. The fittings internal lining effectively eliminates galvanic local cell and stray current problems. The Model DE30-GG is designed for use at temperatures from -40°F to 230°F (-40°C to 110°C) and pressures up to 300 psi (20 bar).



Material Specifications:

- **Housing:** Ductile Iron conforming to ASTMA536, electro-deposition coated.
- **Liner:** Virgin polypropylene to ASTM D4101.



Model DE30-GG Dielectric Transition Fitting					
Nominal Size	Actual Pipe O.D.		E-E	Weight	
	Steel Pipe	Copper Tubing			
in mm	in mm	in mm	in mm	Lbs Kgs	
2 50	2.375 60.3	2.125 54.0	4.00 102	1.3 0.6	
2½ 65	2.875 73.0	2.625 66.7	4.00 102	1.9 0.9	
3 80	3.500 88.9	3.125 79.4	4.00 102	2.9 1.3	
4 100	4.500 114.3	4.125 104.8	4.00 102	3.3 1.5	
5 125	5.563 141.3	5.125 130.2	4.00 102	5.2 2.4	
6 150	6.625 168.3	6.125 155.6	4.00 102	6.9 3.1	
8 200	8.625 219.1	8.125 206.4	4.00 102	9.4 4.3	

General Notes:

- **Standard Fitting Pressure Ratings** conform to the working pressure of the coupling used to join the system.
- **Listed and or Approved Pressures** are pressure ratings for fire protection systems, tested and approved by various approval bodies. Please always refer to the latest approval data posted on the **Shurjoint** website.
- **Field Joint Test:** For one time only the system may be tested hydrostatically at 1½ times the maximum working pressure listed (AWWA C606 5.2.3).
- **Warning:** Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- **The 10 Year Limited Warranty** applies to manufacturing defects only and does not cover severe service/temperature applications or wear parts.
- **Shurjoint** reserves the right to change specifications, designs and or standard without notice and without incurring any obligations.