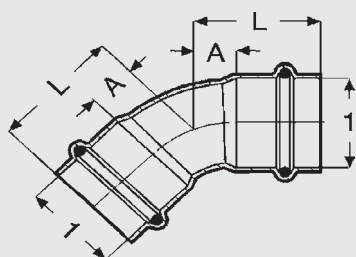
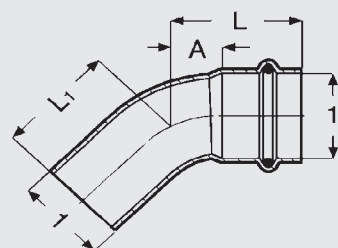


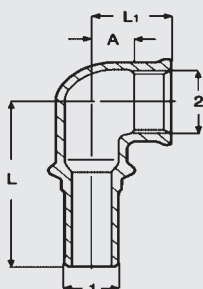
Dimensional Documentation



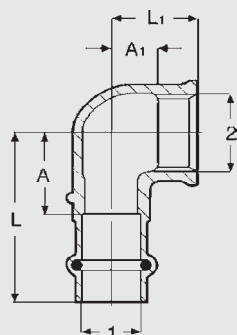
Elbow 45° C x C				
Stock Code	Size	Material	A (in)	L (in)
	1			
77607	1/2"	Copper	0.295	1.043
77612	3/4"	Copper	0.433	1.339
77617	1"	Copper	0.551	1.457
77622	1-1/4"	Copper	0.685	1.709
77627	1-1/2"	Copper	0.823	2.240
77632	2"	Copper	1.059	2.634



Elbow 90° FTG x C					
Stock Code	Size	Material	A (in)	L (in)	L1 (in)
	1				
77637	1/2"	Copper	0.311	1.059	1.098
77642	3/4"	Copper	0.433	1.339	1.374
77647	1"	Copper	0.551	1.457	1.492
77652	1-1/4"	Copper	0.685	1.709	1.787
77657	1-1/2"	Copper	0.823	2.240	2.319
77662	2"	Copper	1.059	2.634	2.709

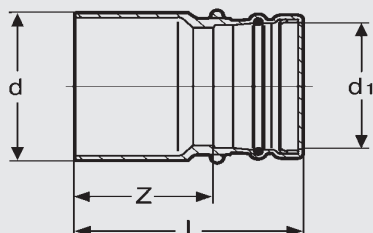


Elbow 90° FTG x F					
Stock Code	Size	Material	A (in)	L (in)	L1 (in)
	1 2				
77577	1/2" x 1/2" NPT	Bronze	0.331	2.008	0.866

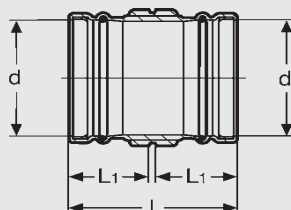


Elbow 90° C x F						
Stock Code	Size	Material	A (in)	A1 (in)	L (in)	L1 (in)
	1 2					
22193	1/2" x 3/8" NPT	Bronze	0.945	0.295	1.693	0.728
77532	1/2" x 1/2" NPT	Bronze	0.984	0.331	1.732	0.866
77537	1/2" x 3/4" NPT	Bronze	1.142	0.409	1.890	0.965
77542	3/4" x 3/4" NPT	Bronze	1.150	0.488	2.055	1.043
77547	3/4" x 1/2" NPT	Bronze	1.142	0.472	2.047	1.004
22203	1" x 1/2" NPT	Bronze	1.299	0.709	2.205	1.260
77552	1" x 1" NPT	Bronze	1.417	0.618	2.323	1.280
22198	1-1/4" x 1/2" NPT	Bronze	1.260	0.728	2.283	1.260
77557	1-1/4" x 1-1/4" NPT	Bronze	1.575	0.841	2.598	1.516
77562	1-1/2" x 1-1/2" NPT	Bronze	1.614	1.012	3.031	1.693
77567	2" x 2" NPT	Bronze	2.244	1.469	3.819	2.165

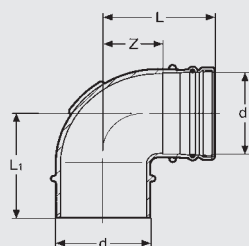
Dimensional Documentation



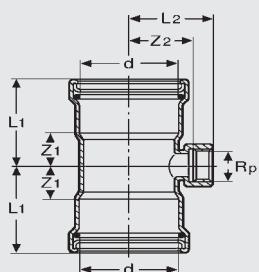
Reducer FTG x C				
Stock Code	Material	Size	Z (in)	L (in)
		d d1		
91452	Bronze	3"x 2"	3.031	4.606
91457	Bronze	3"x 2-1/2"	2.819	4.921
17593	Bronze	4"x 2-1/2"	3.543	5.650
91472	Bronze	2-1/2"x 1-1/2"	3.150	4.567



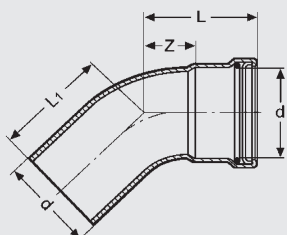
Coupling C x C No Stop				
Stock Code	Material	Size	L (in)	L1 (in)
		d		
91477	Bronze	2-1/2"	4.528	2.185
91482	Bronze	3"	4.528	2.185
91487	Bronze	4"	5.315	2.579



Elbow 90° FTG x C					
Stock Code	Material	Size	Z (in)	L (in)	L1 (in)
		d			
91492	Bronze	2-1/2"	2.224	4.331	4.606
91497	Bronze	3"	2.559	4.685	4.803
91502	Bronze	4"	2.972	5.472	5.591

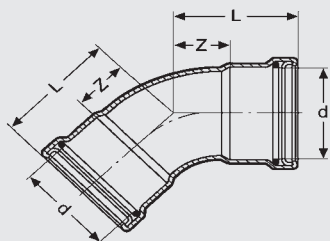


Tee C x C x F						
Stock Code	Material	Size	Z1 (in)	Z2 (in)	L1 (in)	L2 (in)
		d d Rp				
91507	Bronze	4"x4"x2"	1.535	2.717	4.035	3.583
91512	Bronze	4"x4"x3/4"	1.220	2.520	3.740	3.209
91517	Bronze	2-1/2"x2-1/2"x2"	1.929	1.929	4.035	2.795
91522	Bronze	2-1/2"x2-1/2"x3/4"	1.240	1.772	3.346	2.461
91527	Bronze	3"x3"x2"	1.929	2.205	4.035	3.071
91532	Bronze	3"x3"x3/4"	1.220	2.047	3.346	2.756

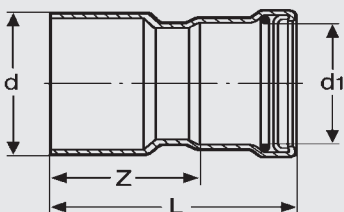


Elbow 45° FTG x C					
Stock Code	Material	Size	Z (in)	L (in)	L1 (in)
		d			
91537	Bronze	2-1/2"	1.142	3.248	3.819
91542	Bronze	3"	1.240	3.346	4.094
91547	Bronze	4"	1.417	3.898	4.921

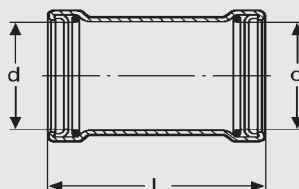
Dimensional Documentation



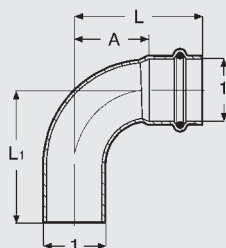
Elbow 45° C x C				
Stock Code	Material	Size	Z (in)	L (in)
		d		
20653	Copper	2-1/2"	1.476	3.169
20658	Copper	3"	1.732	3.701
20663	Copper	4"	2.224	4.587



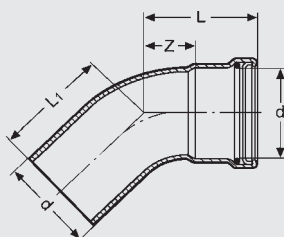
Reducer FTG X C				
Stock Code	Material	Size	Z (in)	L (in)
		d d1		
20758	Copper	2-1/2" x 2"	2.264	3.858
20763	Copper	3" x 2"	2.815	4.409
20768	Copper	3" x 2-1/2"	2.559	4.252
20773	Copper	4" x 2"	4.232	5.807
20778	Copper	4" x 2-1/2"	4.173	5.787
20783	Copper	4" x 3"	3.957	5.846
20813	Copper	2-1/2" x 1-1/2"	2.480	3.937
20818	Copper	3" x 1-1/2"	3.346	4.803



Coupling C x C No Stop			
	Material	Size	L (in)
		d	
20743	Copper	2-1/2"	4.331
20748	Copper	3"	4.921
20753	Copper	4"	5.787



Elbow 90° FTG X C					
Stock Code	Material	Size	A (in)	L (in)	L1 (in)
		1			
20638	Copper	2-1/2"	3.189	4.882	4.803
20643	Copper	3"	3.760	5.728	5.630
20648	Copper	4"	4.902	7.264	7.126



Elbow 45° FTG x C					
Stock Code	Material	Size	Z (in)	L (in)	L1 (in)
		d			
20668	Copper	2-1/2"	1.476	3.169	3.091
20673	Copper	3"	1.732	3.701	3.602
20678	Copper	4"	2.224	4.587	4.449