



Certificate of Compliance GruvLok® - CTS Fittings

Grooved CTS fittings bearing the Anvil logo are manufactured under the supervision of ASC Engineered Solutions and comply with the following specifications:

Material	ASTM A584, Copper Alloy Sand Castings Classification C83470, Low-Lead Sulfur Tin Bronze
Groove Dimensions	AWWA C606
Approvals	NSF/ANSI-61

ASC Engineered Solutions certifies that the material conforms to the following C83470 requirements.

Chemical Analysis % - Max Except as Indicated										
Cu	Sn	Pb	Zn	Ni	Fe	Sb	P	S	Si	Al
90.0-96.0	3.0-5.0	0.09	1.0-3.0	1.0	0.50	0.20	0.10	0.20-0.6	0.01	0.01

Physical Properties				
Yield PSI	Yield MPA	Tensile PSI	Tensile MPA	Elongation %
14,000 Min	97 Min	28,000 Min	195 Min	15 Min