



PARTSWISE COPPER NICKEL TUBING SPECIFICATIONS

Meets ASTA 251-97, SAE J527, SAE J1650, SAE J1677 JASO M 101-94						
Item	Specifications	3/16	1/4	5/16	3/8	1/2
Outside - diameter		4.76 +/- .05mm OK	6.35 +/- .08mm OK	8.0 +/- .08mm OK	9.52 +/- .10mm OK	12.7 +/- .10mm
Wall Thickness		0.7 +0.05-0.08 OK	0.7+/-0.08 OK	0.7+/-0.08 OK	0.7+/-0.08 OK	0.7+/-0.08 OK
Appearance	There is no elipsing, pressing, cracking or other flaws on the sample					
Chemical Composition;	C r 88.38%, Fe1.34%, Pb0.008%, Zn0.056%, Ni 9.57%					
Tensile Strength	365MPa	OK	OK	OK	OK	OK
Yield point		192MPa	0175MPa	OK	OK	OK
Salt spray test	180 days no change	OK	OK	OK	OK	OK
Working pressure		3,957 psi	2,965 psi	2,373 psi	1,577 psi	1,483 psi
Bursting test		107MPa 15,517 psi OK	82MPa 11,863 psi OK	65.43MPa 9,490psi OK	54.5MPa 7,908psi OK	40.9MPa 5,931 psi OK
Pressure Test	20MPa withstands 5 min. with no pressure decrease	OK.	OK	OK	OK	OK
Appearance	There is not any Eclipsing, Pressing , Cracking or other flaws					
Inner cleanliness	0.16g/2	OK	OK	OK	OK	OK
Expansion Test	20% expansion without cracking	OK	OK	OK	OK	OK
Bending Test	No Flattenig or kinking	OK	OK	OK	OK	OK
Temper		.060	.060	.060	.060	.060
Conclusion		Pass	Pass	Pass	Pass	Pass

7/1/16