



PARTSWISE ZINC COATED TUBING SPECIFICATIONS

Meets ASTA 251-97, SAE J527, SAE J1677, JASO M 101-94						
Item	Specifications	3/16	1/4	6mm	5/16	3/8
Outside - diameter		4.76 +/- .05mm OK	6.35 +/- .08mm OK	6.0 +/- .08 mm OK	8.0 +/- .08mm OK	9.52 +/- .10mm OK
Thickness		0.7 +/- .08 OK	0.7 +/- .08 OK	0.7 +/- .08 OK	0.7 +/- .08 OK	0.7 +/- .08 OK
Zinc plate thickness	#2.5um	OK	OK	OK	OK	OK
Composition;	C ≤ 12%, Mn ≤ 5%, P ≤ 4%, S ≤ 45%, Si ≤ 35%					
Tensile Strength	290MPa	OK	OK	OK	OK	OK
Yield point	200MPa	OK	OK	OK	OK	OK
Elongation	25%	OK	OK	OK	OK	OK
Corrosion test	200 hours no change with salt spray test	OK	OK	OK	OK	KO
Bursting test		110MPa 17,400 psi OK	78MPa 11,600 psi OK	91MPa 13,050psi OK	76MPa 11,020psi OK	60MPa 8,700psi OK
Working pressure		4263psi	2842psi	3197psi	2700psi	2132psi
Pressure Test	20MPa withstands 5 min. with no pressure drop	OK	OK	OK	OK	OK
Appearance	Glossy and no blushing	OK	OK	OK	OK	OK
Inner cleanliness	0.16g/2	OK	OK	OK	OK	OK
Expansion Test	20% expansion without cracking or splitting	OK	OK	OK	OK	OK
Bending Test	No Flatten	OK	OK	OK	OK	OK
Temp resistance test	Without cracking or splitting	OK	OK	OK	OK	OK
Aging resistance test	Without cracking or splitting	OK	OK	OK	OK	OK