

Certificate of Test									
Part Number		0361156003		Description		1 3M THD COUPLING			
Heat Code		D421		Heat Number		D421			
Reference Number		---		Specification		ASTM A105/A105M-18 / SA105-19			
Meets the requirements of MR 0175/ISO 15156-2									
Chemical Analysis %									
C	Mn	P	S	Si	Cr	Cu	Mo	Ni	V
0.200	1.120	0.006	0.021	0.210	0.070	0.050	0.007	0.030	0.004
Co = 0.004; Nb = 0.012									
CE (Long Formula) = 0.408									
Physical Properties									
Yield PSI	Yield MPA	Tensile PSI	Tensile MPA	Elongation %	Reduction of Area %	Brinell Hardness 1	Brinell Hardness 2		
48800	336.5	82100	566.1	33.5	56.4	163	166		
Supplemental Information									
<p>The original manufacturer's certification meets the requirements of EN 10204 Type 3.1. We certify that this is a true and correct copy of the mill certificate, issued by the manufacturer of the steel employed or the laboratory which determined it, as retained in the records of the company. We make no representation beyond those of the manufacturer or its agent.</p>									