

**CERTIFICADO DE CALIDAD  
 INSPECTION CERTIFICATE**  
 (DIN EN 10204 3.1.B - ISO 10474 3.1.B)

Vendido a: <b>PIESA ANARTUAC</b> Sold to:	Pedido del Cliente No: <b>915</b> Customers Order No:	Lista de Empaque: <b>8025</b> Packing List:	Fecha/Date: <b>9 de Febrero de 2006</b>
Especificaciones y Grados / Standard or Specification and Steel Grade Seamsless Fittings according to ASTM A 234-97, A234-02 / ASME ANSA 234 WPB . <b>NACE MR 01 75-2003 - Conform to ASME II Ed. 2001</b>	Dimensiones y tolerancias / Dimension and tolerances <b>ASME B 16.9 and ASME B 16.28 edition 2001</b>	Factura/Invoice: <b>Bocas / Ends</b> <b>Biselado / Bevelled ends</b>	

ART. ITEM	COLADA HEAT CODE	CANTIDA QUANTITY	DESCRIPCION / DESCRIPTION	PRUEBAS MECANICAS / MECHANICAL TEST				PRUEBA DE IMPACTO 0°C / IMPACT TEST 0°C			
				ESF. CEDENCIA YIELD STRENGTH (Mpa)	ESF. RUPTURA TENSILE STRENGTH (Mpa)	ELONG. %2"	DUREZA HB	DIMENSIONES SAMPLE DIM mm	1 Joules	2 Joules	3 Joules
1	S37918	228	ELLS 4 X 90 L.R. SCH-STD	347	493	40	111				
2	T26246	200	ELLS 6 X 90 L.R. SCH-STD	275	474	42	116				
3	T26621	100	ELLS 6 X 90 L.R. SCH-STD	307	480	43	121				
4	T18956	5	ELLS 8 X 90 L.R. SCH-STD	293	479	42	116				
5	T24360	5	ELLS 8 X 90 L.R. SCH-STD	307	480	43	110				
6	T24801	1	ELLS 8 X 90 L.R. SCH-STD	268	477	42	122				
7	T25752	169	ELLS 8 X 90 L.R. SCH-STD	306	478	42	116				

PROCESS	COLADA HEAT CODE	COLAD/HEAT M.P./MOTHER PIPE	ANALISIS QUIMICO / CHEMICAL ANALYSIS											
			%C	%Mn	%P	%S	%Si	%Cr	%Cu	%Mo	%Ni	%V	%Nb	
HF	S37918	37918	0.345	0.200	0.710	0.010	0.001	0.300	0.050	0.072	0.030	0.090	0.001	0.001
HF	T26246	26246	0.309	0.180	0.660	0.016	0.001	0.310	0.050	0.063	0.014	0.030	0.000	0.000
HF	T26621	26621	0.322	0.180	0.700	0.010	0.001	0.270	0.050	0.082	0.029	0.060	0.000	0.000
HF	T18956	18956	0.310	0.170	0.680	0.009	0.003	0.270	0.050	0.072	0.045	0.040	0.000	0.000
HF	T24360	24360	0.305	0.170	0.670	0.009	0.001	0.290	0.050	0.053	0.041	0.030	0.000	0.000
HF	T24801	24801	0.305	0.170	0.690	0.010	0.009	0.270	0.040	0.078	0.023	0.030	0.000	0.000
HF	T25752	25752	0.315	0.180	0.680	0.008	0.002	0.280	0.050	0.077	0.021	0.030	0.000	0.000

Certificamos que los resultados de los Analisis Quimicos y Pruebas Mecanicas son verdaderos o una copia fiel de los certificados enviados por el Fabricante y/o el proveedor de Materia Prima conforme ASTM A106GradesB con N°: We certify that result of chemical analysis and mechanical test are true and correct copy of the test certificate issued by the manufacturer and/or supplier Raw material cert's conform to ASTM A106 Grade B N°: 257852 05030197 06000795 04023448 05021198 05023266 5029650

Este material cumple con los requerimientos especificados en la orden.  
 The material of this certificate heat number mentioned above is in compliance with the requirements specified in the order.

Formado en caliente a 780°C-840°C, enfriado al aire.  
 Formed in hot normalized at 840°C max.  
 Range de permeancia 10'  
 Holding time 10'.  
 Visual dimensional check. Satisfactory.  
 CF FORMADO EN FRIOCOLD FORMED

Notes:  
 Hot formed fittings in a range from 780°C to 840°C, cooled in still air.  
 Cold formed normalized at 840°C max.  
 Visual dimensional check. Satisfactory.

Jefe de Aseguramiento de Calidad:  
 Quality Assurance Coordinator  
 ING. JOSE MARTINEZ MACIAS  
 CC-008