

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

Vendido a:	Numero:	16116	1 DE 1
Sold to:	Page/Number:	8240	30 de Mayo de 2006
Specificaciones y Grados / Standard or Specification and Steel Grade	Pedido del Cliente No:	300 330	Fecha/Date:
Seamless Fittings according to ASTM A 234-97, A234-04 / ASME A5A 234 WPB	Customers Order No:	Dimensiones y tolerancias / Dimension and tolerances	Factura/Invoice:
NACE MR 01.75-2003 - Conform to ASME II Ed. 2001	ASME B 16.9-01 and ASME B 16.28 edition 1994		Bocas / Ends Beiselado / Bevelled ends

ART. ITEM	COLADA HEAT CODE	CANTIDAD 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. % <sup>2"</sup>	DUREZA HARDNESS HB	DIMENSIONES SAMPLE DIM mm	1 Joules	2 Joules	3 Joules
1	T15261	7	RED. TEE 10 X 6 SCH-XH	307	463	36	144				
2	T26553	3	RED. TEE 10 X 6 SCH-XH	292	459	46	113				
3	T27272	10	RED. TEE 12 X 10 SCH-STD	354	489	42	128				
4	T27272	5	RED. TEE 12 X 6 SCH-XH	354	489	42	128				
5	T27887	30	RED. TEE 8 X 6 SCH-STD	308	481	43	126				

PROCESO PROCESS	COLADA HEAT CODE	COLADAMOTHER PIPE	ANALISIS QUIMICO / CHEMICAL ANALYSIS											
			%C.E.	%C	%Mn	%P	%S	%Si	%Cr	%Cu	%Mo	%Ni	%V	%Nb
CF	T15261	15261	0.305	0.170	0.680	0.009	0.002	0.250	0.040	0.076	0.029	0.040	0.000	0.000
CF	T26553	26553	0.315	0.180	0.680	0.010	0.002	0.290	0.050	0.050	0.026	0.040	0.000	0.000
CF	T27272	27272	0.328	0.180	0.680	0.011	0.003	0.270	0.100	0.067	0.036	0.050	0.000	0.000
CF	T27272	27272	0.328	0.180	0.680	0.011	0.003	0.270	0.100	0.067	0.036	0.050	0.000	0.000
CF	T27887	27887	0.309	0.170	0.690	0.010	0.002	0.280	0.060	0.080	0.025	0.030	0.000	0.000

Notes:  
 Formado en caliente a 780°C-940°C, enfriado al  
 Hot formed in range in a range from 780°C to 940°C, cooled in still air.  
 Vite Formado en frío normalizado a 840°C max.  
 Cold formed normalized at 840°C max.  
 Tiempo de permanencia 10'.  
 Holding time 10'.  
 Inspección Dimensional Satisfactoria.  
 Visual dimensional check Satisfactory.  
 HE-FORMADO EN CALIENTE HOT FORMED  
 CF-FORMADO EN FRIJO COLD FORMED

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.

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 (Tuberia) 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 (pipe) certs conform to ASTM A106 Grade B N°.

The Products described herein were produced in accordance with the above referenced specification and are identified with the "R" which is permanently marked on each fitting.

Jefe de Aseguramiento de Calidad:  
 Quality Assurance Coordinator

ING. JOSE MARTINEZ MACIAS

CC-008