

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

Vendido a: <b>PIESA ANAHUAC</b> Sold to:	Pedido del Cliente No: <b>668 800</b> Customers Order No:	Numero: Number: <b>15500-4</b>	Pagina/Page: <b>1 DE 1</b>
Especificaciones y Grados / Standard or Specification and Steel Grade Seamless Fittings according to ASTM A 234-97, A234-02 / ASME A54 234 WPB - NACE MR 01.75-2003 - Conform to ASME II ED 2001	Dimensiones y tolerancias / Dimension and tolerances <b>ASME B 16.9 and ASME B 16.28 edition 2001</b>	Lista de Empaque: Packing List: <b>7990</b>	Fecha/Date: <b>24 de Enero de 2006</b>
		Factural/invoice: Bocas / Ends Biselado / Bevelled ends	

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 HARDNESS HB	1 Joules	2 Joules	3 Joules	PROMEDIO AVERAGE Joules
1	T25668	18	ELLS 12 X 90 L.R. SCH-STD	337	480	44	121				
2	S32202	48	ELLS 2 1/2 X 45 SCH-STD	344	497	50	150				
3	S37368	48	ELLS 2 X 45 SCH-STD	324	499	21	114				
4	T25509	13	ELLS 10 X 45 SCH-STD	378	505	34	106				
5	T25993	40	ELLS 10 X 90 L.R. SCH-STD	320	485	42	124				
6	S25296	50	ELLS 1 1/2 X 45 SCH-STD	349	491	35	122				
7	S26167	22	ELLS 1 1/2 X 45 SCH-STD	341	487	49	133				
8	T19193	2	ELLS 6 X 45 SCH-STD	306	470	40	116				
9	T25751	58	ELLS 6 X 45 SCH-STD	304	473	38	124				
10	T25752	20	ELLS 8 X 45 SCH-STD	306	478	42	116				
11	T25720	9	TRF 12 SCH-STD	320	499	34	118				

PROCESO PROCESS	COLADA HEAT CODE	COLADA/HEAT M.P./MOTHER PIPE	ANALISIS QUIMICO / CHEMICAL ANALYSIS											
			%C.E.	%C	%Mn	%P	%S	%SI	%Cr	%Cu	%Mo	%Ni	%V	%Nb
HF	T25668	25668	0.296	0.160	0.670	0.008	0.003	0.290	0.040	0.075	0.043	0.040	0.000	0.000
HF	S32202	32202	0.329	0.190	0.300	0.010	0.001	0.300	0.400	0.044	0.020	0.021	0.001	0.001
HF	S37368	37368	0.325	0.180	0.750	0.011	0.001	0.300	0.030	0.025	0.050	0.028	0.001	0.001
HF	T25509	25509	0.316	0.180	0.670	0.010	0.002	0.280	0.040	0.087	0.038	0.040	0.000	0.000
HF	T25993	25993	0.314	0.180	0.670	0.006	0.002	0.280	0.050	0.071	0.026	0.030	0.000	0.000
HF	S25296	25296	0.324	0.180	0.790	0.010	0.002	0.290	0.030	0.040	0.010	0.020	0.001	0.001
HF	S26167	26167	0.315	0.180	0.730	0.008	0.002	0.270	0.020	0.070	0.010	0.030	0.001	0.001
HF	T19193	19193	0.316	0.180	0.650	0.006	0.001	0.280	0.060	0.080	0.039	0.040	0.000	0.000
HF	T25751	25751	0.303	0.170	0.650	0.008	0.002	0.280	0.040	0.078	0.020	0.030	0.000	0.000
HF	T25752	25752	0.315	0.180	0.670	0.008	0.002	0.280	0.050	0.077	0.021	0.030	0.000	0.000
CF	T25720	25720	0.330	0.190	0.670	0.010	0.002	0.290	0.080	0.070	0.024	0.050	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 A106/Grades B con N°: 05027288 207960 255052  
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 certs conform to ASTM A106 Grade B N°: 05027288 207960 255052  
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.