

**CERTIFICADO DE CALIDAD
INSPECTION CERTIFICATE**
(DIN EN 10204 3.1 B - ISO 104/4 3.1 B)

Numero Number
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Vendido/Arcucotta Sold to
Pedido del cliente/No Customer's Order No 7663
Fecha de empaque/Date of Packing 6496
Hornos / Fornos Biselado / Bevelled ends

Especificaciones y Grados / Standard or Specification and Steel Grade
Seamless Fittings according to ASTM/ASME ASA 234 WPB - NACE MR 01.75 ed. 02.
Conform to ASME II Ed. 2001
Dimensiones y tolerancias / Dimension and tolerances
ASME B 16.9 and ASME B 16.28 edition 2001

DESCRIPCION DE MATERIAL / MATERIAL DESCRIPTION			PRUEBAS MECANICAS / MECHANICAL TEST					PRUEBA DE IMPACTO 0°C / IMPACT TEST 0°C				
ART. ITEM	COLADA HEAT CODE	CANTIDAD QUANTITY	DESCRIPCION / DESCRIPTION	ESF. CEDENCIA YIELD STRENGTH (MPa)	ESF. RUPтура TENSILE STRENGTH (MPa)	ELONG. % ϵ	DUREZA HARDNESS HB	DIMENSIONES SAMPLE DIM (mm)	1 Joules	2 Joules	3 Joules	PROMEDIO AVERAGE Joules
1	SAG6	6	COBO R.C. 6 X 90 CED STD	307	467	41	138	N/A	N/A	N/A	N/A	N/A
2	STK5	1	COBO R.C. 6 X 90 CED STD	346	487	31	141	N/A	N/A	N/A	N/A	N/A
3	SAR6	23	COBO R.C. 6 X 90 CED STD	294	459	41	137	N/A	N/A	N/A	N/A	N/A
4	TCG6	20	RED. CONC. 6 X 3 CED STD	319	488	39	119	N/A	N/A	N/A	N/A	N/A
5	TSP5	15	RED. CONC. 12 X 8 CED STD	340	502	43	137	N/A	N/A	N/A	N/A	N/A

ANALISIS QUIMICO / CHEMICAL ANALYSIS

PROCESO PROCESS	COLADA HEAT CODE	COLADAMENT M.P. MOTHER PIPE	%C.E.	%C	%Mn	%P	%S	%Si	%Cr	%Cu	%Mo	%Ni	%V	%Nb
HP	SAG6	26222	0.301	0.170	0.730	0.007	0.001	0.279	0.020	0.030	0.019	0.020	0.001	0.001
HP	STK5	24822	0.314	0.180	0.740	0.007	0.001	0.290	0.020	0.040	0.010	0.020	0.001	0.001
HP	SAR6	26215	0.312	0.180	0.740	0.011	0.001	0.281	0.020	0.030	0.010	0.010	0.001	0.001
CF	TCG6	13824	0.344	0.190	0.790	0.009	0.003	0.290	0.050	0.048	0.038	0.030	0.000	0.000
CF	TSP5	10025	0.328	0.180	0.740	0.007	0.005	0.280	0.059	0.092	0.024	0.030	0.000	0.000

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Gerente de Aseguramiento de Calidad
Quality Assurance Manager

ING. JOSE MARTINEZ FERRAS