

# R EMPRESAS RIGA, S.A de C.V.

SR. Valdepeña

CONEXIÓN SOLDABLE

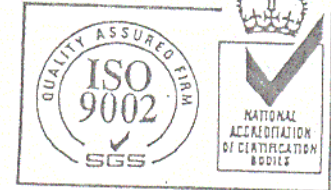
CARR. MTY-LAREDO KM. 24.2

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Certificale Q5377

CERTIFICADO DE CALIDAD No.: 7702 CERTIFIED TEST REPORT:	LISTA DE EMPAQUE: 4795 PACKING LIST:	FECHA: SEPTIEMBRE 5 de 2001 DATE:
VENDIDO A: SOLD TO:	PEDIDO DEL CLIENTE No. CUSTOMERS ORDER No.	EMBARCADO A: SHIP TO: LOS MISMOS

## PRUEBAS MECANICAS

CANT.	COLADA HEAT CODE	DESCRIPTION	ESF. DE CEDENCIA YIELD STRENGTH (PSI)	ESF. RUPTURA TENSILE STRENGTH (PSI)	ELONGACION ELONGATION % 2"	DUREZA HARDNESS HB
20	QA4	TEE 8 CED XS	51802	76316	36	145
204	HJ4	TEE 8 CED STD	50404	71616	34	136
61	PI4	TEE 8 CED STD	46986	70173	34	147
31	QC4	TEE 8 CED STD	42514	68225	35	143
2	QG4	TEE 8 CED STD	44937	69676	41	144
2	EV4	TEE 10 CED 20	46995	70173	42	124
4	AO4	TEE 12 CED 20	42080	71753	35	124
4	NI4	TEE 16 CED STD	52472	72891	36	140
112	OK4	TEE RED. 3 X 2 CED STD	46900	70500	37	135
20	GJ4	TEE RED. 3 X 2 1/2 CED STD	44200	68000	39	116
4	VD2	TEE RED. 4 X 2 CED XS	37600	62100	34	142

## ANALISIS QUIMICO

CODE	C.E.	C	Mn	P	S	Si	Cr	Cu	Mo	Ni	V	Nb
QA4	0.354	0.180	0.980	0.011	0.004	0.267	0.026	0.075	0.002	0.001	0.002	0.000
HJ4	0.290	0.181	0.571	0.001	0.001	0.345	0.015	0.091	0.002	0.058	0.002	0.000
PI4	0.295	0.170	0.664	0.004	0.000	0.354	0.024	0.093	0.008	0.015	0.002	0.000
QC4	0.346	0.185	0.879	0.005	0.000	0.230	0.039	0.084	0.002	0.001	0.002	0.000
QG4	0.310	0.170	0.750	0.010	0.001	0.290	0.040	0.067	0.001	0.030	0.000	0.000
EV4	0.325	0.174	0.750	0.006	0.004	0.280	0.060	0.101	0.022	0.040	0.001	0.000
AO4	0.298	0.167	0.680	0.006	0.001	0.270	0.040	0.051	0.014	0.040	0.002	0.000
NI4	0.294	0.197	0.490	0.001	0.000	0.365	0.019	0.110	0.002	0.031	0.009	0.000
OK4	0.312	0.180	0.740	0.009	0.007	0.220	0.010	0.010	0.020	0.020	0.002	0.000
GJ4	0.287	0.150	0.730	0.007	0.005	0.230	0.050	0.010	0.010	0.020	0.007	0.000
VD2	0.309	0.170	0.730	0.007	0.006	0.220	0.060	0.020	0.020	0.020	0.000	0.000

LOS PRODUCTOS MANUFACTURADOS POR EMPRESAS RIGA, S.A. de C.V. ESTAN CONFORME A LAS SIGUIENTES ESPECIFICACIONES:

CC-008

PRODUCTS MANUFACTURED BY EMPRESAS RIGA, S.A. de C.V. ARE CONFORMING TO FOLLOWING SPECIFICATIONS:

STARTING MATERIAL SEAMLESS PIPE ASTM A-106 GRADE B.

ASTM A-234 WPB, ASME SA234 WPB, ANSI B 16.9 Y ANSI B16.28, NACE MR 0175

CONEXIONES SIN COSTURA, FORJADO EN CALIENTE Y NORMALIZADO  
SEAMLESS FITTINGS, HOT FORMED AND NORMALIZED

GERENTE CONTROL DE CALIDAD:  
QUALITY CONTROL MANAGER:

ING. JOSE MARTINEZ MACIAS