

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

CONEXIÓN SOLDABLE

CARR. MTY-LAREDO KM. 24.2

APARTADO POSTAL 43 C.P. 65550 CIÉNEGA DE FLORES, N.L., MÉXICO

TELS.: (8) 344-84-83, 344-84-45, 344-88-60

FAX:(8) 344-88-01

CERTIFICADO DE CALIDAD No.: 9114	LISTA DE EMPAQUE: 5440	FECHA: AGOSTO 22 de 2002	
CERTIFIED TEST REPORT:	PACKING LIST:	DATE:	
VENDIDO A:	PEDIDO DEL CLIENTE No.	EMBARCADO A:	
SOLD TO:	CUSTOMERS ORDER No.	SHIP TO: LOS MISMOS	

## PRUEBAS MECANICAS

CANT.	COLADA HEAT CODE	DESCRIPTION	ESF. DE CEDENCIA	ESF. RUPTURA	ELONGACION	DUREZA
			YIELD STRENGTH (PSI)	TENSILE STRENGTH (PSI)	ELONGATION % 2"	HARDNESS HB
36	DR5	CODO R.L. 12 X 90 CED XS	52982	76459	33	141
22	BH5	CODO R.L. 14 X 90 CED STD	45838	66968	31	144
2	EY5	CODO R.L. 14 X 90 CED STD	48623	73732	44	136
18	IG5	CODO R.L. 16 X 90 CED STD	47784	72921	43	140
18	DD5	CODO R.L. 16 X 90 CED XS	44284	68269	44	144
40	GH5	TEE 4 CED STD	47485	72708	40	136
12	FA5	TEE 8 CED XS	44171	68497	43	146
8	CK5	TEE 8 CED XS	44882	70133	45	144
18	DH5	TEE 10 CED STD	47613	69180	44	141
2	YX4	TEE 10 CED STD	52125	74134	32	139
10	GJ4	TEE RED. 3 X 2 1/2 CED STD	44200	68000	39	116

## ANALISIS QUIMICO

COLADA HEAT CODE	C.E.	C	Mn	P	S	Si	Cr	Cu	Mo	Ni	V	Nb
DR5	0.316	0.180	0.650	0.007	0.004	0.270	0.050	0.077	0.047	0.040	0.000	0.000
BH5	0.311	0.180	0.660	0.006	0.002	0.250	0.040	0.066	0.029	0.040	0.000	0.000
EY5	0.340	0.180	0.800	0.007	0.003	0.290	0.050	0.070	0.045	0.040	0.000	0.000
IG5	0.328	0.180	0.770	0.012	0.003	0.300	0.050	0.070	0.011	0.040	0.000	0.000
DD5	0.295	0.170	0.650	0.008	0.000	0.280	0.040	0.048	0.016	0.030	0.000	0.000
GH5	0.299	0.170	0.670	0.007	0.002	0.280	0.030	0.066	0.023	0.030	0.000	0.000
FA5	0.323	0.180	0.660	0.008	0.004	0.270	0.070	0.060	0.057	0.050	0.000	0.000
CK5	0.312	0.180	0.650	0.007	0.002	0.250	0.050	0.071	0.031	0.040	0.000	0.000
DH5	0.309	0.170	0.700	0.006	0.003	0.290	0.040	0.078	0.033	0.040	0.000	0.000
YX4	0.317	0.183	0.651	0.006	0.003	0.300	0.049	0.099	0.017	0.040	0.016	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

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. ACORDING TO DIN 50049/3.1. B / EN 10204/3.1. B

ASTM A 234 / ASME SA 234 WPB, ASME B16.9, ASME B16.28 AND NACE MR 0175.

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

GERENTE DE ASEGURAMIENTO DE CALIDAD:

QUALITY ASSURANCE MANAGER:

**ING. JOSE MARTINEZ MACIAS**

e-mail jmartinez@empresasriga.com