

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



Certificate Q5377

CERTIFICADO DE CALIDAD No.: 8705 CERTIFIED TEST REPORT:	LISTA DE EMPAQUE: 5249 PACKING LIST:	FECHA: MAYO 30 de 2002 DATE:
VENDIDO A: SOLD TO: TUBOS CONEXIONES Y TANQUES, S.A. DE C.V. AVE. VALLE DE LAS ALMEDAS No. 66 SAN FRANCISCO CHILPAN TULTI., MEXCIO, D.F.	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
100	HK2	CODO 1 X 45 CED STD	44300	68300	48	130
252	PP4	CODO R.L. 1 X 90 CED STD	42850	62991	54	126
148	ZV4	CODO R.L. 1 X 90 CED STD	46980	68216	50	124
160	TH4	CODO 1 1/2 X 45 CED STD	48894	72822	50	127
528	CD5	CODO R.L. 3 X 90 CED STD	52982	74175	30	136
30	CC5	CODO R.C. 4 X 90 CED STD	49732	73862	33	131
196	AR5	CODO R.L. 4 X 90 CED STD	56636	75089	35	129
260	VS4	CODO R.L. 4 X 90 CED STD	47501	76367	30	133
100	BO5	TEE 6 CED STD	40279	72715	32	141
100	YD4	RED. CONC. 2 X 1 1/4 CED STD	63561	77715	36	124

ANALISIS QUIMICO

COLADA HEAT CODE	C.E.	C	Mn	P	S	Si	Cr	Cu	Mo	Ni	V	Nb
HK2	0.286	0.160	0.610	0.003	0.010	0.190	0.030	0.170	0.010	0.070	0.000	0.000
PP4	0.283	0.150	0.570	0.010	0.001	0.210	0.090	0.105	0.050	0.040	0.000	0.000
ZV4	0.314	0.168	0.607	0.013	0.002	0.227	0.093	0.205	0.036	0.084	0.000	0.000
TH4	0.333	0.190	0.770	0.010	0.001	0.290	0.030	0.051	0.020	0.020	0.001	0.001
CD5	0.294	0.160	0.670	0.007	0.002	0.270	0.050	0.076	0.022	0.040	0.000	0.000
CC5	0.312	0.180	0.660	0.008	0.003	0.280	0.050	0.076	0.023	0.040	0.000	0.000
AR5	0.320	0.180	0.760	0.010	0.001	0.310	0.030	0.030	0.020	0.020	0.001	0.000
VS4	0.354	0.185	0.793	0.011	0.001	0.339	0.055	0.058	0.050	0.165	0.004	0.000
BO5	0.302	0.170	0.670	0.007	0.002	0.270	0.050	0.070	0.016	0.040	0.000	0.000
YD4	0.316	0.180	0.680	0.005	0.002	0.260	0.040	0.079	0.028	0.060	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. 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, FORIADO 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