



# MAQUINADOS DE ACEROS FORJADOS



## CERTIFICADO DE CALIDAD

CLIENTE: FERRETERA ANAHUAC SA. DE CV.  
 FECHA: 13 DE FEBRERO DEL 2003  
 PRODUCTO: BRIDAS

REMISION No 572  
 PEDIDO No 5535

PTDA	CANT.	DESCRIPCION	ESPECIFICACION	COLADA
O1	150	FORJA BRIDA BLDs 150 LBS. DE 3/4"	A-105 / B-16.5	HKZ
O2	3	FORJA BRIDA W.N. 150 LBS. DE 1-1/2" C-XS	A-105 / B-16.5	JMI
O3	1	FORJA BRIDA W.N. 150 LBS. DE 1" C-80	A-105 / B-16.5	EMP
O4	4	FORJA BRIDA W.N. 150 LBS. DE 1/2" C-80	A-105 / B-16.5	ILC
O5	4	FORJA BRIDA W.N. 150 LBS. DE 3/4" C-80	A-105 / B-16.5	HXZ
O6	1	FORJA BRIDA S.W 300 LBS. DE 1-1/2 CED XS	A-105 / B-16.5	ILQ
O7	15	FORJA BRIDA S.W 300 LBS. DE 1 CED XS	A-105 / B-16.5	IXP
O8	10	FORJA BRIDA S.W 300 LBS. DE 3/4 CED. XS	A-105 / B-16.5	JLP
O9	4	FORJA BRIDA S.W 150 LBS. DE 1-1/2" CED XS	A-105 / B-16.5	JCC
10	39	FORJA BRIDA S.W 150 LBS. DE 3/4" CED XS	A-105 / B-16.5	IHK

### COMPOSICION QUIMICA

PTDA	C	MN	P	S	SI	CU	NI	CR	MO	V
O1	0.003	0.081	0.007	0.002	0.024	0.026	0.012	0.009	0.027	0.002
O2	0.180	0.850	0.007	0.037	0.240	0.210	0.090	0.080	0.015	0.004
O3	0.180	0.980	0.010	0.022	0.200	0.210	0.080	0.110	0.04	0.025
O4	0.003	0.081	0.007	0.002	0.024	0.026	0.012	0.009	0.027	0.002
O5	0.003	0.081	0.007	0.002	0.024	0.026	0.012	0.009	0.027	0.002
O6	0.200	0.860	0.004	0.010	0.270	0.210	0.090	0.050	0.018	0.004
O7	0.180	0.900	0.005	0.018	0.220	0.260	0.100	0.050	0.025	0.004
O8	0.180	0.900	0.005	0.018	0.220	0.260	0.100	0.050	0.025	0.004
O9	0.180	0.850	0.007	0.037	0.240	0.210	0.090	0.080	0.015	0.004
10	0.003	0.081	0.007	0.002	0.024	0.026	0.012	0.009	0.027	0.002

### PRUEBAS MECANICAS

PTDA	TENSION (P.S.I.)	CEDECENCIA ( P.S.I.)	ALARGAMIENTO %	REDUCION DE AREA %	DUREZA (HRb)
O1	83,027	48,966	26	38	84.0
O2	80,853	58,865	28.2	1"	60.6
O3	77,322	54,687	27.7	1"	57.7
O4	83,027	48,966	26	38	84.0
O5	83,027	48,966	26	38	84.0
O6	73,338	51,133	24.9	1"	59.7
O7	70655	51367	32.7	1"	58
O8	70655	51367	32.7	1"	58
O9	80,853	58,865	26.2	1"	60.6
10	83,027	48,966	26	38	84.0

#### NOTAS:

FORGINS CO. CERTIFIED TO SA-105  
 FORGUIN ARE IN COMPLIANCE WITH NACE MRO1-RS  
 REF 1X7 BIN MAX



PNMAG  
 ELABORO

*[Signature]*  
 AUTORIZO