

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.
Hackney * Ladish * Flo-Bend

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BPCS

Order Number: 7027

(270473-001) DOC #00138073 03/10/10 Date: 10/11/03

Sold to: TUBOS CONEXIONES Y TANQUES
VALLE DE LAS ALAMEDAS NO 66 B
SAN FRANCISCO CHILPAN
TULTITLAN EOO DE MEX 54940

Ship to: TUBOS CONEXIONES Y TANQUES 001
C/O SPECIALIST IN TRANSIT FWR
1801 MARKLEY - MODERN IND PARK
LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
RG03MY	5	20 STD LR 90 DEG EL A/SA 234 - 02 WPB GRB 48 11322 AS ROLLED NACE MR0175
ED03BE	3	18 X 12 STD CON A/SA 234 - 01 WPB A106-B 9/A43085 NORM. 1650 NACE MR0175
EJ03IX	3	12 X 8 STD ECC A/SA 234 - 01 WPB A106-B 140/P310446 NORM. 1650 NACE MR0175
EJ03IX	5	12 X 10 STD ECC A/SA 234 - 01 WPB A106-B 140/P310446 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
RG03MY	M	.180	1.010	.012	.001	.240	.146	.070	.080	.030	.0190
ED03BE	M	.220	1.080	.013	.009	.220	.040	.050	.100	.030	.0320
EJ03IX	M	.200	.490	.024	.023	.240	.020	.020	.040	< .010	.0300
EJ03IX	M	.200	.490	.024	.023	.240	.020	.020	.040	< .010	.0300

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
RG03MY	.0060	.000	.0000	.0000	.000	.007				.384
ED03BE	< .010	<.0005	<.0100	<.010	.005	.005	.004	<.050		.434
EJ03IX	< .010	<.0005	<.0100	<.010	.003	.002	.001	<.050		.296
EJ03IX	< .010	<.0005	<.0100	<.010	.003	.002	.001	<.050		.296

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
RG03MY	76.0	L		50.6	43.0		197
ED03BE	78.2	L		46.8	37.0	73.0	140
EJ03IX	71.9	L		41.1	37.0	67.0	114
EJ03IX	71.9	L		41.1	37.0	67.0	114

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
RG03MY						
ED03BE						
EJ03IX						
EJ03IX						

Test: M=Mill Product

Type: L=Longitudinal

We certify that the material herein described has been manufactured, heat treated, sampled, tested, and inspected in accordance with the above standards and specifications and satisfies those requirements. We certify these flanges and fittings capable of passing a hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the Company. This information has been electronically transmitted to our customer.
/S/ Glinda LaFleur