

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney \* Ladish \* Flo-Bend

P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887

Phone: (214) 589-8177 Fax: (214) 589-8892

BPCS

Order Number: 453

(292078-010) DOC #00183797 05/10/21 Date: 10/23/05

Sold to: PLESA ANAHUAC Y CIAS S. A. DE VALLE DE LAS ALAMEDAS NO 66-0  
SAN FRANCISCO CHILPAN TULTITLAN EOO DE MEX 54940

Ship to: PLESA ANAHUAC Y CIAS 001  
C/O SPECIALIST IN TRANSIT FWR  
1801 MARKLEY - MODERN IND PARK  
LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
EC05MSS	1	18 X 16 STD CON A/SA 234 - 03 WPB A106-B 61/950112 STRESS RELIEVED NACE MR0175
EE05PAS	30	8 X 6 STD ECC A/SA 234 - 04 WPB H60-NDE 7/SX0473 STRESS RELIEVED NACE MR0175
EC05NMS	10	4 X 3 STD RED TEE A/SA 234 - 05A WPB TM60 55/35514 STRESS RELIEVED NACE MR0175
EA05KZ	3	14 X 10 STD RED TEE A/SA 234 - 03 WPB Y-56 61/947350 AS FORMED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EC05MSS	M	.190	.980	.015	.003	.230	.150	.090	.100	.040	
EE05PAS	M	.150	.640	.007	.004	.210	.160	.060	.070	.010	
EC05NMS	M	.190	.710	.013	.001	.310	.026	.014	.030	.010	
EA05KZ	M	.170	1.230	.001	.001	.260	.090	.080	.060	.020	.0110

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EC05MSS		.010			.002					.399
EE05PAS		.001			.001					.287
EC05NMS		.001			.001					.319
EA05KZ	.0066	.026	<.0005	<.0100	<.010	.011	.002	.002	<.050	.407

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EC05MSS	79.9	L		49.5	37.0	73.0	146
EE05PAS	74.4	L		43.5	37.0	72.0	121
EC05NMS	70.0	L		45.7	29.0	58.0	134
EA05KZ	76.0	L		55.2	49.0		153

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EC05MSS						
EE05PAS						
EC05NMS						
EA05KZ						

Test: M=Mill Product

Type: L=Longitudinal

We certify that the material herein described has been manufactured in accordance with the above standards and specifications and satisfies all the requirements of the latest editions unless otherwise noted. We certify these 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