

CERTIFIED MATERIAL TEST REPORT

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

Order Number: 453 (292078-005) 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
EF05YG	10	18 STD CAP A/SA 234 - 03 WPB A516-70 154/B5R6304 HOT FORMED NACE MR0175
EH05ZI	5	20 XH CAP A/SA 234 - 05A WPB A516-70 164/812M31550 HOT FORMED NACE MR0175
EH05ZI	10	14 STD CAP A/SA 234 - 05A WPB A516-70 164/812M31550 HOT FORMED NACE MR0175
EE05OSS	2	18 X 12 STD CON A/SA 234 - 03 WPB A106-B 61/947842 STRESS RELIEVED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EF05YG	M	.210	1.050	.012	.003	.200	.250	.090	.030	.020	.0200
EH05ZI	M	.170	1.090	.012	.005	.380	.240	.170	.030	.005	
EH05ZI	M	.170	1.090	.012	.005	.380	.240	.170	.030	.005	
EE05OSS	M	.120	1.060	.018	.001	.210	.230	.090	.150	.080	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EF05YG		.010	<.0005	<.0100	<.010	.011	<.002	.004	<.050	.419
EH05ZI		.003			.002					.386
EH05ZI		.003			.002					.386
EE05OSS		.050			.019					.373

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EF05YG	77.8	T		48.1	31.8		154
EH05ZI	77.6	T		51.7	37.0		156
EH05ZI	77.6	T		51.7	37.0		156
EE05OSS	82.6	L		61.5	37.0	79.0	164

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EF05YG						
EH05ZI						
EH05ZI						
EE05OSS						

Test: M=Mill Product

Type: T=Transverse 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