

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney \* Ladish \* Flo-Bend

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BPCS

Order Number: 453

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Sold to: PLESA ANAHUAC Y CIAS S. A. DE Ship to: PLESA ANAHUAC Y CIAS 001  
 VALLE DE LAS ALAMEDAS NO 66-0 C/O SPECIALIST IN TRANSIT FWR  
 SAN FRANCISCO CHILPAN 1801 MARKLEY - MODERN IND PARK  
 TULTITLAN EOO DE MEX 54940 LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
EF05YI	5	24 STD CAP A/SA 234 - 03 WPB A516-70 164/823L69390 HOT FORMED NACE MR0175
EH05ZES	30	12 STD CAP A/SA 234 - 05A WPB A516-70 164/811M01340 STRESS RELIEVED NACE MR0175
EH05ZDS	30	12 STD CAP A/SA 234 - 05A WPB A516-70 164/811M01340 STRESS RELIEVED NACE MR0175
EG04WES	25	6 STD CAP A/SA 234 - 03 WPB A516-70 154/B4T6489 STRESS RELIEVED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EF05YI	M	.160	1.090	.016	.007	.338	.275	.160	.040	.007	
EH05ZES	M	.190	1.060	.023	.012	.342	.286	.150	.040	.005	
EH05ZDS	M	.180	1.060	.023	.012	.342	.286	.150	.040	.005	
EG04WES	M	.214	1.060	.014	.016	.170	.100	.040	.020 <	.010	.0120

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EF05YI		.003			.002					.380
EH05ZES		.003			.002					.405
EH05ZDS		.003			.002					.395
EG04WES		< .010	<.0005	<.0100	<.010	.014	<.002	<.001	<.050	.407

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EF05YI	77.7	T		59.0	46.0		156
EH05ZES	73.7	T		48.8	33.0	52.0	143
EH05ZDS	81.7	T		47.5	34.0	58.0	140
EG04WES	84.0	T		49.4	29.0	58.0	143

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EF05YI						
EH05ZES						
EH05ZDS						
EG04WES						

Test: M=Mill Product

Type: T=Transverse

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