

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: 7027 (270473-028) DOC #00141034 03/11/19 Date: 11/20/03

Sold to: TUBOS CONEXIONES Y TANQUES Ship to: TUBOS CONEXIONES Y TANQUES 001  
VALLE DE LAS ALAMEDAS NO 66 B 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	
384UO	2	1 1/4 X 1 XH CON A/SA 234 - 02 WPB A105 133/ NIAG.093829 AS ROLLED	NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
384UO	M	.250	.750	.010	.023	.210	.130	.050	.090	.020	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
384UO		.005			.001					.410

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
384UO	78.1	R		56.1	27.8	59.5	197

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
384UO						

Test: M=Mill Product  
Type: R=Round

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