

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

Order Number: 4515

(257500-017) INV #00115650 02/08/22 Date: 08/23/02

Sold to: TUBOS CONEXIONES Y TANQUES
VALLE DE LAS ALAMEDAS NO.66 B
SAN FRANCISCO CHILPAN
TULTITLAN, EOO. DE MEXICO

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	
EB02HI ✓	1	16 X 8 STD CON A106-B 9/A40037	A/SA 234 - 00 WPB NORM. 1650 NACE MR0175
KC02QD ✓	40	4 X 3 STD RED TEE A106B/009/A21854	A/SA 234 - 00 WPB STRESS RELIEVED NACE MR0175
KE02QR ✓	25	6 X 4 STD RED TEE A106B/007/P40069	A/SA 234 - 01 WPB STRESS RELIEVED NACE MR0175
EE02JW ✓	30	8 X 4 STD RED TEE A106-B 7/OY0022	A/SA 234 - 01 WPB NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EB02HI	M	.190	.710	.006	.007	.210	.010	.030	.060	.010	.0310
KC02QD	M	.170	.730	.007	.006	.210	.030	.040	.050	.020	
KE02QR	M	.150	.660	.005	.003	.230	.130	.050	.060	.010	
EE02JW	M	.140	.610	.005	.005	.220	.120	.070	.040	.020	.0320

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EB02HI	.0050	.010	.0005	.0100	.010	.002	.002	.001	.050	.326
KC02QD		.001			.001					.310
KE02QR		.001			.001					.286
EE02JW	.0092	.010	.0005	.0200	.010	.008	.002	.001	.050	.268

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EB02HI	73.0	L		41.7	38.0	72.0	121
KC02QD	72.0			46.3	43.0		137
KE02QR	63.1			42.5	44.8		137
EE02JW	66.6	L		45.0	37.0	74.0	121

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EB02HI						
KC02QD						
KE02QR						
EE02JW						

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