

CERTIFIED MATERIAL TEST REPORT

Trinity Industries Inc. Fitting and Flange Group
Hackney * Ladish * Flo-Bend * CQ

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Order Number 00/03 220115-001 INV #00046520 00/03/27 Date: 03/28/00

Sold to	FERRETERA ANAHUAC, S.A. DE C.V Ship to VALLE DE LAS ALAMEDAS NO.66 B SAN FRANCISCO CHILPAN TULTITLAN, EOO. DE MEXICO	FERRETERA ANAHUAC, S.A. DE000 C/O SPECIALIST IN TRANSIT FWR 1801 MARKLEY MODERN IND. PARK LAREDO TX 78041
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Heat Code	Quantity	Description / Specifications	
KM99EV	6	3 STD X 2 XH CON A106B/049/60195	A/SA 234 - 99 WPB STRESS RELIEVED NACE MR0175
KM99EV	4	3 STD X 2 XH ECC A106B/049/60195	A/SA 234 - 99 WPB STRESS RELIEVED NACE MR0175
WM99KX	22	3 STD X 2 XH RED TEE A106B 49 / 60195	A/SA 234 - 99A WPB STRESS RELIEVED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
KM99EV	M	.200	.720	.011	.001	.390	.160	.100	.040	.030	
KM99EV	M	.200	.720	.011	.001	.390	.160	.100	.040	.030	
WM99KX	M	.205	.710	.009	.001	.380	.150	.100	.050	.020	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
KM99EV		.003					003			.351
KM99EV		.003					003			.351
WM99KX		.010					010			.355

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
KM99EV	76.2		.999	52.8	31.0	99.9	147
KM99EV	76.2		.999	52.8	31.0	99.9	147
WM99KX	76.7			49.9	33.0		139

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
KM99EV						
KM99EV						
WM99KX						

Test: M=Mill Product
Type:

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