

CERTIFIED MATERIAL TEST REPORT
 Trinity Industries Inc. Fitting and Flange Group
 Hackney * Ladish * Flo-Bend * CQ
 P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887
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Order Number: 00/03 (219686-013) INV #00043126 00/02/28 Date: 02/29/00

Sold to: FERRETERA ANAHUAC, S.A. DE C.V Ship to: FERRETERA ANAHUAC, S.A. DE0001
 VALLE DE LAS ALAMEDAS NO.66 B C/O SPECIALIST IN TRANSIT FWR
 SAN FRANCISCO CHILPAN 1801 MARKLEY MODERN IND. PARK
 TULTITLAN, EOO. DE MEXICO LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
M9DR	50	1/2 STD CAP A/SA 234 - 97 WPB A105 133 / 393TO AS FORMED NACE MR0175
M9DR	50	3/4 STD CAP A/SA 234 - 97 WPB A105 133 / 393TO AS FORMED NACE MR0175
M9HK	50	1 STD CAP A/SA 234 - 99 WPB A105 133 / 385TO AS ROLLED NACE MR0175
EH99XW	50	1 1/4 STD CAP A/SA 234 - 99 WPB, A/SA 516-70 A516-70 106/A9U1321 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
M9DR	M	.180	.760	.012	.016	.190	.120	.050	.070	.020	
M9DR	M	.180	.760	.012	.016	.190	.120	.050	.070	.020	
M9HK	M	.160	.740	.015	.015	.220	.140	.070	.080	.020	
EH99XW	M	.200	1.020	.009	.003	.190	.050	.040	.020	.010	.0240

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
M9DR		.002			.003					.336
M9DR		.002			.003					.336
M9HK		.002			.002					.317
EH99XW		.010	.0005	.0100	.010	.003	.002	.001	.050	.384

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
M9DR	74.5			59.5	26.0		197
M9DR	74.5			59.5	26.0		197
M9HK	72.0			58.0	28.3		197
EH99XW	83.4	T		55.9	23.0	54.0	153

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
M9DR						
M9DR						
M9HK						
EH99XW						

Test: M=Mill Product
 Type: T=Transverse

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