

CERTIFIED MATERIAL TEST REPORT  
Hackney Ladish Inc.

708 South Elmira Avenue - Russellville, AR 72802  
Phone: (800) 527-4500 Fax: (479) 964-6231

Heat Code Description / Specifications

F06ZCS	2 STD WELD TEE DOM	A/SA 234 - 06 WPB (SMLS)
	470DH 9 B26607	STRESS RELIEVED NACE MR0175
M06NB1S	2 STD WELD TEE DOM	A/SA 234 - 06A WPB (SMLS)
	470DH 9 A23108	STRESS RELIEVED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
F06ZCS	M	.180	.740	.007	.004	.240	.050	.040	.080	.050	
M06NB1S	M	.170	.740	.010	.001	.240	.020	.020	.050	.010	.0260

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
F06ZCS	.0050	.002	.0001		.001					.34
M06NB1S	.0050	.003	.0003		.001					.31

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
F06ZCS	65.0	L		45.4	32.0		124
M06NB1S	68.0	L		45.2	33.0		134

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
F06ZCS						
M06NB1S						

Test: M=Mill Product  
Type: L=Longitudinal

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 editions specified. We certify all materials provided comply with EN 10204:2004 type 3.1. Our ISO 9001:2008 certificate number is CERT-11763-2007-USA-RvA/ANAB. We certify all NACE MR0175 certified material complies with MR0175/ISO 15156. We certify these fittings capable of passing 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.

Stephen Baker / QA Manager

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Heat Code: M06NB1S

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MANUFACTURED IN USA FROM USA MATERIAL