

CERTIFIED MATERIAL TEST REPORT  
Hackney Ladish Inc.

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Phone: (800) 527-4500 Fax: (214) 269-5601

Order Number: 5030

Date: 09/04/08

Sold to: PLESA ANAHUAC Y CIAS S. A. DE Ship to:  
VALLE DE LAS ALAMEDAS NO 66-0  
TULTITLAN MEX 54940

Heat Code Description / Specifications

B08ZYS	6 X 4 STD ECC	A/SA 234 - 07	WPB (SMLS)
	H60 7 X20105	STRESS RELIEVED	NACE MR0175
A08YBS	8 X 6 STD ECC	A/SA 234 - 07	WPB (SMLS)
	H60 7 WY0494	STRESS RELIEVED	NACE MR0175
D08BXS	6 STD CAP	A/SA 234 - 07	WPB (SMLS)
	A516-70 154 B8N5424	STRESS RELIEVED	NACE MR0175
C08AXS	4 X 3 STD TEE	A/SA 234 - 07	WPB (SMLS)
	470-DH 9 A60115	STRESS RELIEVED	NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
B08ZYS	M	.150	.640	.009	.003	.220	.140	.060	.090	.020	.0290
A08YBS	M	.150	.650	.007	.002	.230	.140	.050	.050	.010	.0270
D08BXS	M	.240	1.100	.011	.005	.200	.220	.100	.110	.022	.0320
C08AXS	M	.180	.750	.011	.003	.220	.030	.030	.080	.020	.0360

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
B08ZYS	.0079	.002	.0001	.0240	.001	.007				.292
A08YBS	.0062	.001	.0001	.0260	.001	.007				.283
D08BXS	.0050	.003	.0004	.0020	.004	.007				.471
C08AXS	.0040	.002	.0001		.001					.329

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
B08ZYS	63.5	L		41.8	39.0		127
A08YBS	61.5	L		38.9	37.0		120
D08BXS	77.0	T		47.7	32.0		149
C08AXS	66.5	L		40.3	35.0		128

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
B08ZYS						
A08YBS						
D08BXS						
C08AXS						

Test: M=Mill Product

Type: L=Longitudinal T=Transverse

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 ISO 10204 paragraph. 3.1 which replaces type 3.1.B of the 1991 edition of EN 10204. Our ISO9001:2000 certificate number is CERT11763-2007-AQ-HOU-RVA/ANAB. 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.