

CERTIFIED MATERIAL TEST REPORT  
Hackney Ladish Inc.

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Heat Code Description / Specifications

J07LJ1	TAP-CS-8XS					A/SA 234 - 07	WPB	(SMLS)
	A516-70	154	7105666			HOT FORMED		NACE MR0175
K07MK	TAP-CS-8XS					A/SA 234 - 07	WPB	(SMLS)
	A516-70	154	7106889			HOT FORMED		NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
J07LJ1	M	.210	1.010	.012	.001	.170	.280	.070	.090	.000	.0230
K07MK	M	.190	1.040	.013	.002	.240	.220	.050	.100	.000	.0270

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
J07LJ1		.002	.0001	.0010	.001	.006				.420
K07MK		.002	.0001	.0020	.001	.006				.401

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
J07LJ1	79.1	T		53.8	22.5		163
K07MK	80.6	T		54.5	23.1		163

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
J07LJ1						
K07MK						

Test: M=Mill Product  
Type: 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 ISO 9001:2008 certificate number is CERT-11763-2007-USA-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.