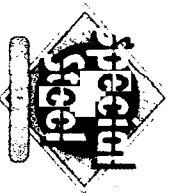


Special Testing Ltd
 Bacon Lane, Sheffield S9 3NH
 Tel: 0114 244 1061
 Fax: 0114 244 0444 Works
 Fax: 0114 244 5566 Acc/Admin
 www.specialtesting.co.uk

Test Certificate 231688

AUTHENTICATION CODE 4C06245FDD66
 ROLLS ROYCE APPROVED LABORATORY
 Approval No. 11191

CUSTOMER
 HI-TECH SPECIAL STEELS LTD
 ALLOY & METAL WORKS, ROTHERHAM RD
 LAUGHTON COMMON, DUNNINGTON
 SHEFFIELD S25 3RF
 DATE RECEIVED 04 February 2013
 TEST DATE 06 February 2013



CUSTOMER ORDER NO	PRD3134	TEST NUMBER	231688	IDENTITY	P40685	CAST	561790	ALL REQUIREMENTS MIN UNLESS STATED	
SPECIFICATION	BS EN10088-3:2005 (X2CrNiMo17-12-2) 1.4404	TEST PIECE FROM*	2.1/2" X 1.1/2"						
TENSILE: BS EN ISO 6892-1:2009 A224	0.2% PROOF		1.0% PROOF		UTS				
OR TEMP	SECTION	AREA SQ	UNIT	REQUIREMENTS	RESULTS	ELONG ON	%	R OF A %	COMMENTS
L RT	9.98mm	78.23mm ²	Mpa	RESULTS	523	579	671	50mm 39.0	73.0 N/A
HARDNESS: BS EN ISO 6508-1:2005		DESIGNATION	REQUIREMENTS		RESULTS				
ROCKWELL C (MID RADIAL)		HRC			13				
ROCKWELL B		HRBW			93				

END OF CERTIFICATE

FLOW TECHNOLOGY LTD
 TEST CERTIFICATE
 VERIFIED TRUE
 COPY OF ORIGINAL

REPRESENTING*

No copy is authentic without the embossed seal and signature. This certificate can be authenticated at www.specialtesting.co.uk with the code 4C06245FDD66

This certificate shall not be reproduced, except in full, without the written approval of the laboratory.

For and on behalf of
SPECIAL TESTING LTD
 A Member of the Special Steel Group of Companies
 Liam Burdett
 Asst Testhouse Manager

Test results do not in any way confer approval of the quality of manufacture of the material. All results are subject to uncertainty of measurement budgets, details available upon request. Information marked * is supplied by the customer.

F10016 - 1/2" NPT F/F/F/F FXD CROSS 10K 316L

