Customer	Delivery Address
FLOW TECHNOLOGY LTD HALF HOUSE LANE HOVE EDGE BRIGHOUSE WEST YORKS. HD6 2PH	FLOW TECHNOLOGY LTD HALF HOUSE LANE HOVE EDGE BRIGHOUSE WEST YORKS. HD6 2PH

HI-TECH
Special Steels Limited
Rotherham Road, Laughton Common,
Dinnington, Sheffield S25 3RF
Tel: Dinnington (01909) 564545
Fax No (01909) 550682

Report No. 041416
Test No 326901
Despatch Note No. 055906

Our Ref. 103021
Customer PO No. 014498/JS

Date 13/11/17
Specification BS EN 10088-3 1.4404

TEST CERTIFICATE

Item	Quantity	Weight Kg	Part No.	Heat No.	Batch No.	Description
001	3	73.0 Total		561638	P220087	1.1/2" X 1" LINISHED BAR CONFORMING TO NACE MR0175

A. HEAT TREATMENT SUPPLY CONDITION
B. TEST PIECE TREATMENT CONDITION

MELTING PRACTICE AOD

TEST COUPON SIZE

Tensile Tests — Units MPa

Temp °C	*	0.20% Proof Result	0.20% Proof Spec-Min	Maximum Stress Result	Maximum Stress Spec-Min	%Elong 50MM Result	%Elong 50MM Spec-Min	% Reduction of Area Result	% Reduction of Area Spec-Min
20	L	541	200	721	500	36	30	64	50

Impact Tests

Temp °C	*	ENERGY 1	ENERGY 2	ENERGY 3	ENERGY MIN	ENERGY AV	SHEAR % 1	SHEAR % 2	SHEAR % 3	SHEAR % MIN	SHEAR % AV	LATERAL EXPANSION 1	LATERAL EXPANSION 2	LATERAL EXPANSION 3	LATERAL EXPANSION MIN	LATERAL EXPANSION AV

Hardness: 21.7 HRC

Component Hardness

Heat No.	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	Ti	Co	N
561638	0.019	0.540	1.460	0.028	0.035	16.920	10.090	2.040	0.460	0.002	0.272	0.058

* Test Direction: L = Longitudinal; T = Transverse

TEST CERTIFICATE in accordance with BS EN 10204 3.1 / ISO 10474 3.1
Certified that the whole of the supplied detailed hereon, unless otherwise stated, are covered by the Sources Certificate of Conformity/Test Certificate referenced hereon, and has been supplied to the Quality System requirements in accordance with the conditions of our BS EN ISO 9001 registration for lot traceable products.

Signature

Position
Certification Dept

F13016 - 1/4" NPT F/F/F FXD TEE 10K 316L

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL