

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL

MATERIAL TEST CERTIFICATE

Inspection Certificate : As per BS EN 10204 : 2004 3.1



AN OOP FORGINGS PVT. LTD.
 (An ISO 9001 : 2008 Certified Co.)

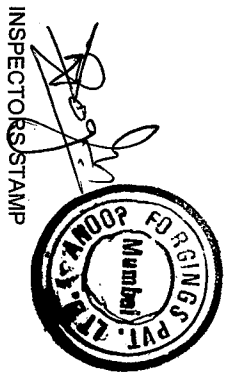
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CUSTOMER:	MTR NO.
FLOW TECHNOLOGY LTD	09 / EXP / 13-14
HALF HOUSE LANE.	DATE
HOVE EDGE, WEST YORKSHIRE	22.08.2013
BRIGHOUSE, HD6 2PH, UK	MATERIAL SPECIFICATION
	ASTM A182
	GRADE
	F316L
	DIMENSIONAL SPECIFICATION
	As per your Drawing
	STAINLESS STEEL FORGINGS
	TEES & ELBOWS

ORDER NO.: 008046 / JS DT. 29.04.2013 & 008261 / JS DT. 24.06.2013

Sr. No.	Item Description	Heat No. /lot No.	Qty	C%	Mn%	Si%	S%	P%	Ni%	Cr%	Mo%	Ti%	N2%	MECHANICAL PROPERTIES				
														Tensile Strength (N/mm ²)	Proof Stress Rp=0.2% (N/mm ²)	Proof Stress Rp= 1% (N/mm ²)	% Elongation %L0=5D	% Reduction Area
CHEMICAL ANALYSIS																		
1	1-5/16" 90 Deg. Elbow Forging (S2314)	HS-7321/3000	846	0.027	1.660	0.300	0.020	0.039	10.030	16.600	2.020	--		0.0550				
2	1-5/8" TEE Forging (S2326)	HS-7321/3000	531	0.027	1.660	0.300	0.020	0.039	10.030	16.600	2.020	--		0.0550				
3	1-5/16" TEE Forging (S2315)	RSL-391/3018	772	0.026	1.700	0.370	0.019	0.040	10.080	16.580	2.050	--		0.0615				

Heat No. /Lot No.	Item Description	Tensile Strength (N/mm ²)	Proof Stress Rp=0.2% (N/mm ²)	Proof Stress Rp= 1% (N/mm ²)	% Elongation %L0=5D	% Reduction Area	Test Temp Deg. C	Impact Test Charpy V-Notch (Joules)			Hardness BHN	
								I	II	III		Avg.
HS-7321/3000	1-5/16" 90 Deg. Elbow Forging (S2314)	580.05	350.39	375.83	58.29	69.90	20°	178.00	162.00	172.00	170.66	153.00
HS-7321/3000	1-5/8" TEE Forging (S2326)	580.05	350.39	375.83	58.29	69.90	20°	178.00	162.00	172.00	170.66	153.00
RSL-391/3018	1-5/16" TEE Forging (S2315)	563.19	284.73	315.05	51.86	68.05	20°	186.00	160.00	168.00	171.33	156.00



F9682
3/8" NPT M/F FXD 90° ELBOW 10K 316L

WORKS AUTHORISED INSPECTOR