

**MATERIAL TEST CERTIFICATE**

Inspection Certificate : As per BS EN 10204 : 2004 3.1

**FLOW TECHNOLOGY LTD**  
**TEST CERTIFICATE**  
**VERIFIED TRUE**  
**COPY OF ORIGINAL**



(An ISO 9001 : 2008 Certified Co.)

**ANOOOP FORGINGS PVT. LTD.**

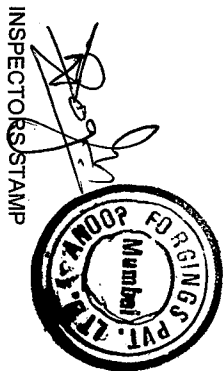
J-56, Add. MIDC, Village- Kudawali, Tal. Murbad, Dist. Thane 421401 (India)  
 PH (Factory) : ++ 9423839547 / 9423839587  
 Fax : 91-22-2164 1741 E-mail : anoopforgings@vsnl.com / anoopforgings@sancharnet.in

<b>CUSTOMER:</b>	FLOW TECHNOLOGY LTD	<b>MTR NO.</b>	09 / EXP / 13-14
	HALF HOUSE LANE.	<b>DATE</b>	22.08.2013
	HOVE EDGE, WEST YORKSHIRE	<b>MATERIAL SPECIFICATION</b>	ASTM A182
	BRIGHOUSE, HD6 2PH, UK	<b>GRADE</b>	F316L
		<b>DIMENSIONAL SPECIFICATION</b>	As per your Drawing
		<b>STAINLESS STEEL FORGINGS</b>	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/mm2)	Proof Stress Rp=0.2% (N/mm2)	Rp= 1% (N/mm2)	% Elongation %L0=5D	% Reduction Area
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/mm2)	Proof Stress		% Elongation	% Reduction Area	Test Temp Deg. C	Impact Test Charpy V-Notch (Joules)			Hardness BHN	
			Rp=0.2% (N/mm2)	Rp= 1% (N/mm2)				%L0=5D	I	II		III
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



F13689  
 1" BSPP CS F/F SWIV ELBOW 10K 316L

*Signature*

WORKS AUTHORISED INSPECTOR