

**MATERIAL TEST CERTIFICATE**

Inspection Certificate : As per BS EN 10204 : 2004 3.1



(An ISO 9001 : 2008 Certified Co.)

**ANOOP FORGINGS PVT. LTD.**

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09 / EXP / 13-14

22.08.2013

ASTM A182

F316L

As per your Drawing

TEES & ELBOWS

MTR NO.

DATE

MATERIAL SPECIFICATION

GRADE

DIMENSIONAL SPECIFICATION

STAINLESS STEEL FORGINGS

CUSTOMER:

FLOW TECHNOLOGY LTD

HALF HOUSE LANE.

HOVE EDGE, WEST YORKSHIRE

BRIGHOUSE, HD6 2PH, UK

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

**CHEMICAL ANALYSIS**

Sr. No.	Item Description	Heat No. /Lot No.	Qty	C%	Mn%	Si%	S%	P%	Ni%	Cr%	Mo%	Ti%	N2%
<b>MECHANICAL PROPERTIES</b>													
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 %L0=5D	% Reduction Area	Test Temp Deg. C	Impact Test Charpy V-Notch (Joules)				Hardness BHN
			Rp=0.2% (N/mm2)	Rp= 1% (N/mm2)				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



INSPECTOR'S STAMP

REV 0

01.04.02

M36 x 2 M/M/M Tee 15K 316L  
MMBT-10-18  
F11760

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

WORKS AUTHORISED INSPECTOR

*Signature*

QAE/FR/12

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