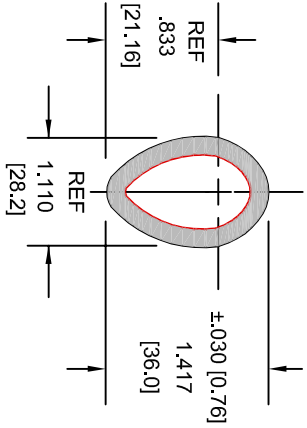
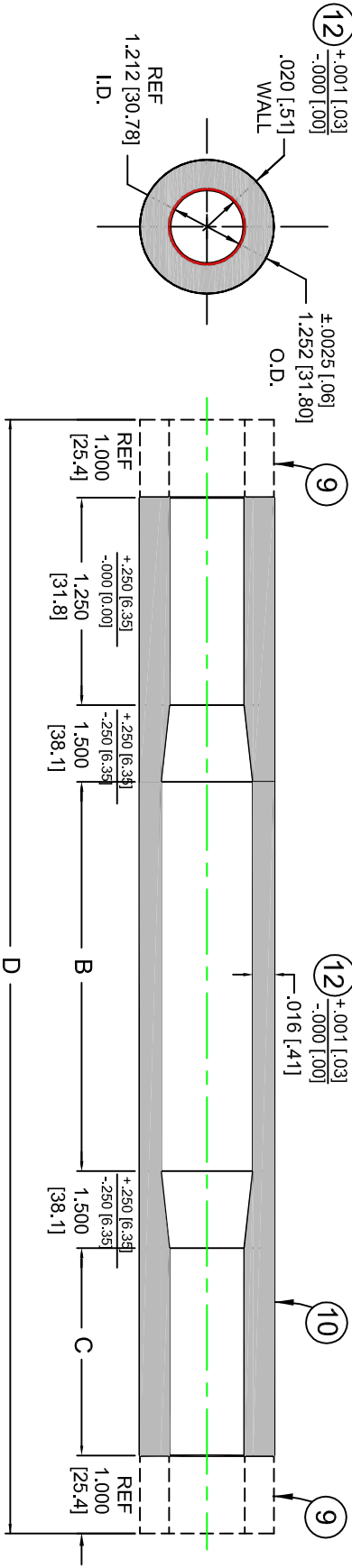


TRUE TEMPER PART NO.	A		B		C		D		FINISHED WEIGHTS-g	
	FIN. LENGTH	TOL.	CENTER LENGTH	TOL. REF	LONG BUTT SECTION	TOL.	DRAWN LENGTH	TOL.	TOP	BOTTOM
FRAME SET	20.87 [530.0]	±.063 [1.6]	13.19 [335.0]		3.43 [87.0]		22.87 [580.8]		178.91	191.57
SHORT	22.44 [570.0]		15.08 [383.0]		3.11 [79.0]		24.44 [620.8]		190.88	204.34
MEDIUM	23.23 [590.0]		15.87 [403.0]		3.11 [79.0]		25.23 [640.8]		197.17	211.03
LONG	23.03 [585.0]		14.65 [372.0]		4.13 [105.0]		25.03 [635.8]		197.61	211.37
VERSATILE										196.21



**NOTES**

- 12 TO ALLOW FOR POLISHING, DRAW TUBE WITH WALL THICKNESS AT TOP TOLERANCE: .021 / .017 / .021
- 11 PACKAGING: PBST30
- 10 PAINT MARK
- 9 DRAWN OVER-LENGTH AND CUT TO FINISHED LENGTH AFTER INSPECTING FOR PROFILE
- 8 USE SAME SHAPE DIE AS HEVLDT2 (DWG# 505-90193-1)
- 7 HEAT TREAT: OUTSIDE SOURCE
- 6 SURFACE COATING: OIL
- 5 SURFACE FINISH: POLISHED
- 4 HARDNESS: Rc 32-37
- 3 TRR: .040
- 2 MATERIAL: OX PLATINUM (6330)
- 1 PART MADE TO TRUE TEMPER PROCEDURE AND TESTS STANDARDS.

REV	BY	DATE	CHANGE
A	AR	7/20/02	INITIAL PRODUCTION RELEASE
B	AR	10/1/02	ADD MANUFACTURING NOTE
C	AR	5/25/10	ECR 10019 REMOVE NOTE CONCERNING FINAL SHAPE BY USE OF PLATES. FINISHED DIMENSIONS ARE ACHIEVED WITH DIE.

**TRUE TEMPER** 8275 TOURNAMENT DRIVE SUITE 200 MEMPHIS, TN 38125 (901) 746-2000

DRAWN BY: A. RANDOLPH  
CORPORATE: G. HORNWOOD  
MFG. ENGINEERING:

DESCRIPTION: TRUE TEMPER S3 BIKE FRAME TEAR SHAPED TOP TUBE SETS

PART FAMILY: S3 TOP TUBE SETS

QUALITY ASSURANCE: T. FARRELL  
DATE: 7/20/02  
SCALE: NONE  
EQU NUMBER: 10019  
SIZESHEET: A/1

WORK ORDER NUMBER: RFO 634C  
DRAWING NUMBER: AST-21-02

TOLERANCES (EXCEPT AS NOTED): DECIMAL  
.X +/- 0.125  
.XX +/- 0.063  
.XXX +/- 0.002

STEP LOCATION (FROM TIP): +/-.0063 (NON ACCUMULATIVE)

REVISION: C

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