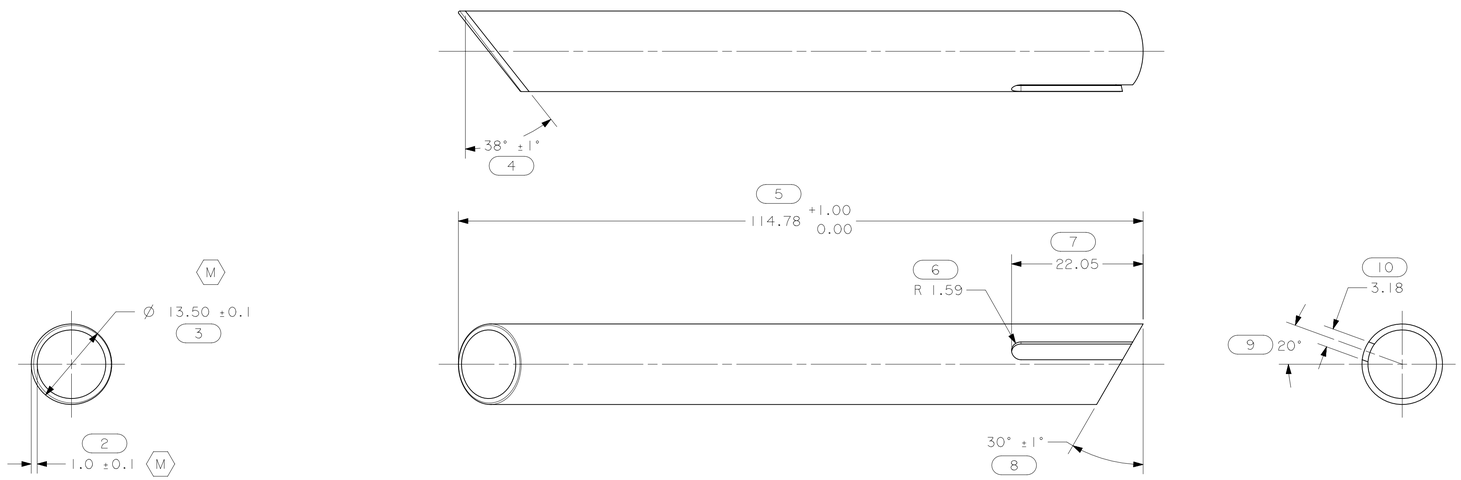
SIZE	DRAWING NUMBER
4	638191003

TOLERANCE FOR MACHINED METAL	
DIVISION DIMENSION	TOLERANCE (IT 12)
-10	±0.08
10-30	±0.11
30-50	±0.13
50-80	±0.15
80-120	±0.18
120-180	±0.20
180-250	±0.23
250-315	±0.26
315-400	±0.29
400-500	±0.32
500-630	±0.35
630-800	±0.40
800-1000	±0.45

REVISIONS

REV	ZONE	DESCRIPTION	ECM	CHECKED
01		DESIGN RELEASE RED 03/04/09	NLG00551	TPL 03/04/09
02	C5,C4 C5,C7 C7,A8 C7	DIM.38°±1° WAS 14° HJ/PZG 05/11/09 DIM.103.00 WAS 114.40 , DIM.30°±1° WAS 30° ADDED DIM. 113.34±0.5. DIM. 1.0±0.1 DELETED Ø 11.50,UPDATED NOTE 2 DIM. Ø 13.50±0.1 WAS Ø 13.50 AMY/PZG 06/01/09	000007840	TPL 06/05/09
03	C5	DIM. 114.78 WAS 113.28 AMY/SCS 08/12/09 DELTED 113.34±0.5. 03/01/10	000010705	RAK 03/02/10
04	C5 ALL	DIM. 114.78 +1.00/0.00 WAS 114.78 ADDED INSPECTION BALLOONS LH/QCJ 05/11/12	DP1205015	LGC 07/24/12

COMPUTERIZED DOCUMENT
NO MANUAL REVISIONS PERMITTED



NOTES: (1)

(M) 1. MATERIAL: C1008-1010 CRS TUBING

2. UNLESS OTHERWISE SPECIFIED:
   A) PART MUST BE FREE OF CRACKS, CHIPS, SHAVINGS, BURRS, RUST AND ANY OTHER DEBRIS THAT MAY OCCUR DURING PROCESSING
   B) USE TOLERANCE BLOCK ABOVE FOR LINEAR DIMENSION TOLERANCES
   C) DEFAULT ANGLE TOLERANCE TO BE ±0.5°
   D) SHARP CORNERS AND FILLETS TO BE BROKEN WITH A 0.38 TO 0.89 RADIUS
   (M) E) PART MUST BE RESISTANT TO 48 HOURS MIN. SALT SPRAY EXPOSURE PER ASTM B-117

3. FOR ALL UNDEFINED GEOMETRY, REFER TO 3-D CAD FILE

4. SEE QUALITY ASSURANCE FOR ADDRESSING CRITICAL AND MAJOR DIMENSIONS

TOTAL (C) THIS PAGE = 0

TOTAL (M) THIS PAGE = 4

638191003	MUFFLER TUBE	AS PURCHASED
PART NUMBER	DESCRIPTION	REMARKS

M.S.
P.S.
DIST --- PURCH/FAB P

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. FOR ALL UNSPECIFIED DIMENSIONS PLEASE REFER TO THE CAD FILE. DO NOT SCALE. USE DIMENSIONS ONLY. DIMENSION & TOLERANCE PER ASME Y14.5-2009

THIRD ANGLE PROJECTION

DRAWN BY JRH 01/30/09 DATE
CHECKED BY TPL 02/11/09 DATE
APPROVED BY JFM 02/11/09 DATE
MATERIAL SEE NOTE 1

TTI GROUP NORTH AMERICA

TITLE MUFFLER TUBE

SIZE 4 | DRAWING NUMBER 638191003 | REV 04
SCALE 2:1 | (10) | SHEET 1 OF 1