

4

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NOTES UNLESS OTHERWISE SPECIFIED

- PARENT MATERIAL: 304 STAINLESS STEEL, 16 GAUGE (0.060" THICK)
- FINISH: NO METAL FINISHING REQUIRED. THE FINAL FINISH SHALL BE THE RESULT OF THE PROCESSES USED TO FABRICATE THE SHAPE, RESULTING IN AN ESTIMATED SURFACE ROUGHNESS OF 80 Ra.
- ESTIMATED INTERNAL VOLUME: 0.22 GALLONS (50.18 INCH³)

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE FOR MANUFACTURING	14DEC2000	J.KNAPP
01	Changed Flat from 1.00" to 0.50"	19JAN2010	L.FERNANDEZ
02	Changed ID from 3.99" to 3.91"	24JUL2012	D.JOHNSON
A	Updated sheet format, corrected title block and revision block author information, corrected Straight Wall dimension callout, added 0.10" tolerance to Flat dimension.	08APR2016	R.DAVIS

Top view of the hopper. It shows a central hole with a diameter of $\phi .25$ THRU HOLE. The outer diameter of the flange is $\phi 4.38$ Flange O.D. Section lines A-A are indicated.

SECTION A-A: A cross-sectional view of the hopper. The total height is 6.00 inches. The straight wall section at the bottom is 2.81 inches long. The top edge has a thickness of (.060) inches. The inner radius of the top edge is R.13 INSIDE. The inner radius of the bottom edge is R.25 INSIDE. The bottom edge has a thickness of (.045) inches. The bottom edge is chamfered at a 60.00 degree angle. The bottom edge has a thickness of (.030) inches. The inner diameter (ID) is $\phi 3.91$ ID.

DETAIL B: A close-up view of the flat bottom edge. The flat bottom edge has a diameter of $\phi .50 \pm 0.10$ FLAT.

DETAIL B
SCALE 1 : 1

SECTION A-A

ISOMETRIC VIEW
SCALE 1 : 4

UNLESS OTHERWISE SPECIFIED:
 1. DO NOT SCALE DRAWING
 2. DIMENSIONS ARE IN INCHES
 3. TOLERANCE:
 FRACTIONAL $\pm .25$
 X.X $\pm .1$
 X.XX $\pm .03$
 X.XXX $\pm .010$
 ANGULAR: ± 2 DEG.
 4. INTERPRET DRAWING PER ASME-Y14.5M-1994 STANDARDS
 5. THIRD ANGLE PROJECTION
 6. REMOVE BURRS & BREAK ALL SHARP EDGES WITH R0.03 $\pm .02$

	NAME	DATE
DRAWN	J.KNAPP	14DEC2000
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

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TOLEDO METAL SPINNING COMPANY
EST. 1929

TITLE:
4" HOPPER WITH 3" STRAIGHT WALL

SIZE	DRAWING NUMBER	REV
A	TMS4316	A

SCALE: 1:2 WEIGHT: 0.74 SHEET 1 OF 1