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NOTES UNLESS OTHERWISE SPECIFIED

- PARENT MATERIAL: 304 STAINLESS STEEL, 14 GAUGE (0.075" 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: 1.49 GALLONS. (344.1 INCH³)

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE FOR MANUFACTURING	14DEC2000	J.KNAPP
01	Changed Flat from 1.86" to 1.65"	20JAN2010	L.FERNANDEZ
02	Changed Flat from 1.65" to 1.68"	10APR2012	L.FERNANDEZ
03	Changed Straight Wall from 3.10" to 2.80"	19JUL2012	D.JOHNSON
A	Updated sheet format, corrected title block and revision block author information, changed Radius from 1.00" to 3.00", corrected Straight Wall dimension callout, changed Title from 3" Straight Wall to 2", added 0.10" tolerance to Flat dimension.	23FEB2016	R.DAVIS

Top view of the hopper showing concentric circles representing the flange and the hopper body. A central hole is shown. Dimension lines indicate a diameter of 10.02 inches for the flange outer diameter (OD). Section lines A-A are shown on the left side.

Section A-A of the hopper. It shows a vertical straight wall of height 9.30 ± .25 inches and a diameter of 8.85 inches. The wall thickness is 0.074 inches. The top edge has a radius of R.20 inside. The wall tapers to a 60.0 degree angle. The bottom edge has a radius of R3.00 inside. The bottom edge thickness is 0.067 inches. The bottom edge has a chamfer with a 60.0 degree angle and a thickness of 0.037 inches. The bottom edge has a diameter of 1.68 ± .10 inches. The bottom edge has a straight wall of length 1.94 inches. Section lines A-A are shown at the top and bottom.

Detail B of the bottom edge of the hopper. It shows a chamfered edge with a diameter of 1.68 ± .10 inches. The chamfer has a 60.0 degree angle. The detail is labeled "DETAIL B SCALE 1:2".

SECTION A-A

Isometric view of the hopper, showing the flange at the top and the tapered body. The drawing is labeled "ISOMETRIC VIEW SCALE 1:8".

ISOMETRIC VIEW
SCALE 1 : 8

UNLESS OTHERWISE SPECIFIED:
 1. DO NOT SCALE DRAWING
 2. DIMENSIONS ARE IN INCHES
 3. TOLERANCE:
 FRACTIONAL ± .25
 X.X ±.1
 X.XX ±.03
 X.XXX ±.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 ±.02

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

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TOLEDO METAL SPINNING COMPANY
EST. 1929TITLE:
9" HOPPER WITH 2" STRAIGHT WALL

SIZE	DRAWING NUMBER	REV
A	TMS9314	A

SCALE: 1:4 WEIGHT: 3.23 SHEET 1 OF 1