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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: 5.11 GALLONS. (1180.8 INCH³)

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE FOR MANUFACTURING	15DEC2000	J.KNAPP
01	CHANGED OVERALL HEIGHT FROM 15.9" TO 16.13"	13NOV2001	J.KNAPP
02	CHANGED OD FROM 12.97" TO 13.0", CHANGED ID FROM 11.88" TO 11.85"	20JAN2010	L.FERNANDEZ
03	CHANGED FLAT FROM 1.80" TO 1.68"	06JUL2012	D.JOHNSON
A	UPDATED SHEET FORMAT, CORRECTED TITLE BLOCK AND REVISION BLOCK AUTHOR INFORMATION, CHANGED RADIUS FROM 0.75" TO 3.00", CORRECTED STRAIGHT WALL DIMENSION CALLOUT, CHANGED TITLE FROM 7" STRAIGHT WALL TO 6", ADDED 0.10" TOLERANCE TO FLAT DIMENSION.	19FEB2016	R.DAVIS
B	UPDATED DRAWING TO CURRENT FORMAT	16JUL2020	K.DRUMHILLER

Top view of the hopper showing concentric circles representing the flange and the main body. A central circle indicates the internal diameter. Section lines A-A are shown with arrows pointing to the left.

$\phi 13.00$ Flange OD

Section A-A of the hopper. It shows a vertical straight wall of height 16.13 ± .25 inches and a diameter of 11.85 inches. The wall thickness is 0.074 inches. The top edge has a 0.067 inch chamfer with a 60-degree angle. The bottom edge has a 0.037 inch chamfer with a 60-degree angle. The bottom flange has a 6.23 inch diameter and a 0.067 inch thickness. The bottom edge of the flange has a 0.074 inch chamfer with a 60-degree angle. The bottom edge of the main body has a 0.067 inch chamfer with a 60-degree angle. The bottom edge of the main body has a 0.037 inch chamfer with a 60-degree angle. The bottom edge of the main body has a 0.067 inch chamfer with a 60-degree angle.

$\phi 11.85$ ID

(.074)

R.20 INSIDE

R3.00 INSIDE

(.067)

(.037)

60°

(6.23) Straight Wall

16.13 ± .25

Detail B of the bottom flange. It shows a circular flange with a diameter of 1.68 ± .10 inches. The flange has a chamfered edge.

$\phi 1.68 \pm .10$ FLAT

DETAIL B
SCALE 1 : 2

SECTION A-A

Isometric view of the hopper, showing the cylindrical body and the conical bottom. The drawing is shaded to show depth.

ISOMETRIC VIEW
SCALE 1 : 10

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

DRAWN	NAME	DATE
J.KNAPP	J.KNAPP	15DEC2000

PROPRIETARY AND CONFIDENTIAL

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TOLEDO METAL SPINNING COMPANY
EST. 1929

TITLE:
12" HOPPER WITH 6" STRAIGHT WALL

SIZE	DRAWING NUMBER	REV
A	TMS12714	B
SCALE: 1:5		WEIGHT: 7.98
SHEET 1 OF 1		