

4

3

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1

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: 6.86 GALLONS. (1585.6 INCH<sup>3</sup>)

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE FOR MANUFACTURING	15DEC2000	J.KNAPP
01	CHANGED FLAT FROM 1.67" TO 1.78"	10MAR2006	J.KNAPP
02	CHANGED FLAT FROM 1.78" TO 1.75"	19SEP2009	L.FERNANDEZ
03	CHANGED FLAT FROM 1.75" 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 11" STRAIGHT WALL TO 10", ADDED 0.10" TOLERANCE TO FLAT DIMENSION.	19FEB2016	R.DAVIS
B	CHANGED FLANGE OD FROM 13.00" TO 12.80"	17MAR2017	R.DAVIS
C	UPDATED DRAWING TO CURRENT FORMAT	16JUL2020	K.DRUMHILLER

Top view of the hopper showing concentric circles representing the flange and the main body. Section lines A-A are indicated with arrows pointing to the left.

Ø 12.80 Flange OD

SECTION A-A

Dimensions and features:  
 - Top edge thickness: (.074)  
 - Top edge radius: R.20 INSIDE  
 - Bottom edge radius: R3.00 INSIDE  
 - Bottom edge thickness: (.067)  
 - Straight wall length: (9.90)  
 - Total length: 19.80 ± .25  
 - Taper angle: 60°  
 - Taper thickness: (.037)  
 - Internal diameter: Ø 11.85 ID

DETAIL B  
SCALE 1 : 2

Ø 1.68 ± .10  
FLAT

ISOMETRIC VIEW  
SCALE 1 : 12

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 ± 0.02

DRAWN	NAME	DATE
J.KNAPP	J.KNAPP	15DEC2000

**PROPRIETARY AND CONFIDENTIAL**

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**TOLEDO METAL SPINNING COMPANY**  
EST. 1929

TITLE:  
13" HOPPER WITH 10" STRAIGHT WALL

SIZE	DRAWING NUMBER	REV
A	TMS121114	C

SCALE: 1:5    WEIGHT: 10.56    SHEET 1 OF 1