

4

3

2

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: 20.45 GALLONS $\triangle D$

 $\triangle D$

$\phi 21.22$ Flange OD

R.20 INSIDE

$(.074)$

$(.067)$

R3.00 INSIDE

$(.037)$

60°

$\phi 19.93$ ID

(8.60) STRAIGHT WALL

$25.50 \pm .25$

$\phi 1.68 \pm .10$ FLAT

DETAIL B
SCALE 1 : 2

SECTION A-A

ISOMETRIC VIEW
SCALE 1 : 16

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	15DEC2000

PROPRIETARY AND CONFIDENTIAL

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TOLEDO METAL SPINNING COMPANY
EST. 1929

TITLE:
20" HOPPER WITH 9" STRAIGHT WALL

SIZE	DRAWING NUMBER	REV
A	TMS201014	D
SCALE: 1:8		WEIGHT: 1384.69
SHEET 1 OF 1		

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE FOR MANUFACTURING	15DEC2000	J.KNAPP
01	CHANGED STRAIGHT WALL FROM 9.9" TO 9.84"	23MAR2003	J.KNAPP
02	CHANGED FLAT FROM 1.85" TO 1.5", CHANGED OVERALL HEIGHT FROM 26.8" TO 25.9"	15JAN2010	L.FERNANDEZ
03	CHANGED RADIUS FROM 1.00" TO 3.00", CHANGED STRAIGHT WALL FROM 9.84" TO 9.23", CHANGED RADIUS FROM .20" TO .22", CHANGED FLAT FROM 1.5" TO 1.68"	03JUL2012	L.FERNANDEZ
04	CHANGED OVERALL HEIGHT FROM 25.9" TO 25.5"	05OCT2012	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, CHANGED FLANGE RADIUS FROM 0.22" TO 0.20", CHANGED TITLE FROM 10" STRAIGHT WALL TO 9"	08MAR2016	R.DAVIS
B	CHANGED FLANGE OD FROM 21.19" TO 21.22"	17MAR2017	R.DAVIS
C	UPDATED DRAWING TO CURRENT FORMAT	16JUL2020	K.DRUMHILLER
D	CHANGED INTERNAL VOLUME	12JAN2021	A.FULKERT