

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: 14.75 GALLONS (3408.0 INCH<sup>3</sup>)

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE FOR MANUFACTURING	15DEC2000	J.KNAPP
01	Changed Metal Thickness from 0.081" to 0.067" Ref and from 0.045" to 0.037" Ref, changed ID from 20.00" to 19.91", changed Flat from 1.87" to 1.5"	05JUN2009	L.FERNANDEZ
02	Changed Flat from 1.5" to 1.68", changed ID from 19.91" to 19.93", changed Flange Radius from 0.20" to 0.22", changed Overall Height from 21.1" to 21.0"	16SEP2009	L.FERNANDEZ
03	Changed Radius from 0.75" to 3.00", changed Straight Wall from 5.2" Ref to 4.33" Ref	01JUL2012	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 5" Straight Wall to 4".	23FEB2016	R.DAVIS

Ø21.19 Flange OD

(.074)

R.20 INSIDE

(.067)

R3.00 INSIDE

(.037)

60.0°

Ø19.93 ID

(4.10) STRAIGHT WALL

21.00 ± .25

DETAIL B  
SCALE 1 : 2

Ø1.68 ± .10  
FLAT

ISOMETRIC VIEW  
SCALE 1 : 16

SECTION A-A

UNLESS OTHERWISE SPECIFIED:

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

	NAME	DATE
DRAWN	J.KNAPP	15DEC2000
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

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**TOLEDO METAL SPINNING COMPANY**  
EST. 1929

TITLE:  
20" HOPPER WITH 4" STRAIGHT WALL

SIZE	DRAWING NUMBER	REV
A	TMS20514	A
SCALE: 1:8		WEIGHT: 13.59
		SHEET 1 OF 1