

4

3

2

1

**NOTES UNLESS OTHERWISE SPECIFIED**

- PARENT MATERIAL: 304 STAINLESS STEEL, 14 GAUGE (0.075" THICK)
- PART IS SEAMLESS, FORMED FROM SHEET METAL WITHOUT WELDS.
- METAL THICKNESS THINS 10-25% FROM PARENT MATERIAL.
- 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: 0.45 GALLONS (104.32 INCH<sup>3</sup>).

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE FOR MANUFACTURING	22JUN2015	R.DAVIS
A	Updated sheet format.	MAR2019	R.DAVIS

Top view of the hemisphere showing a circular shape with a vertical section line A-A passing through the center. The section line is indicated by two arrows pointing outwards from the top and bottom of the circle.

SECTION A-A of the hemisphere. The drawing shows a cross-section with a straight vertical wall of height 2.50 inches and a hemispherical bottom with a radius of R2.77. The internal diameter is labeled as  $\varnothing 5.53$  ID. The overall outer diameter is labeled as 5.34 ± 0.06 OAH. A dimension of 2.77 inches is shown from the center of the straight wall to the right edge of the hemisphere.

SECTION A-A

A 3D perspective view of the hemisphere, showing its cylindrical top and hemispherical bottom.

SCALE 1 : 4

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	R.DAVIS	MAR2019
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

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**TOLEDO METAL SPINNING COMPANY**  
 EST. 1929

TITLE:  
 HEMISPHERE WITH STRAIGHT WALL

SIZE	DRAWING NUMBER	REV
A	HM0553-0250	A

SCALE: 1:2    WEIGHT: 1.57    SHEET 1 OF 1