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**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: 0.96 GALLONS (221.28 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 vertical section line A-A. The section line is a dashed line on the right side of the circle, with arrows pointing to the left labeled 'A'.

SECTION A-A of the hemisphere. Dimensions include: a width of 1.75 inches at the top, an inner diameter of  $\varnothing 7.99$  ID, a radius of R4.00, a width of 4.00 inches at the bottom, and an overall outer diameter of  $5.82 \pm .06$  OAH.

SECTION A-A

3D perspective view of the hemisphere, showing its curved surface and straight wall.

SCALE 1 : 5

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:  $\pm 2$  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	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 A	DRAWING NUMBER HM0799-0175	REV A
SCALE: 1:2.5		WEIGHT: 2.49
SHEET 1 OF 1		