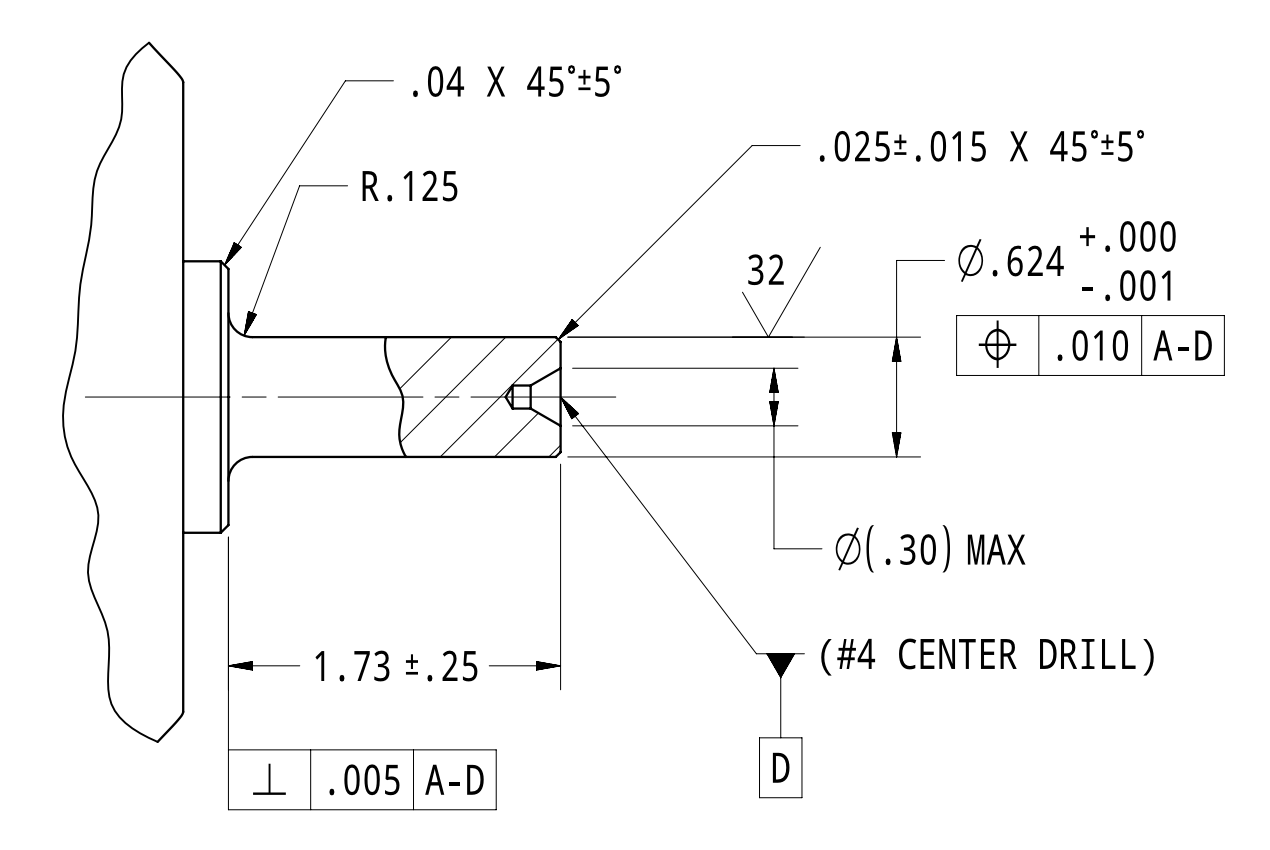
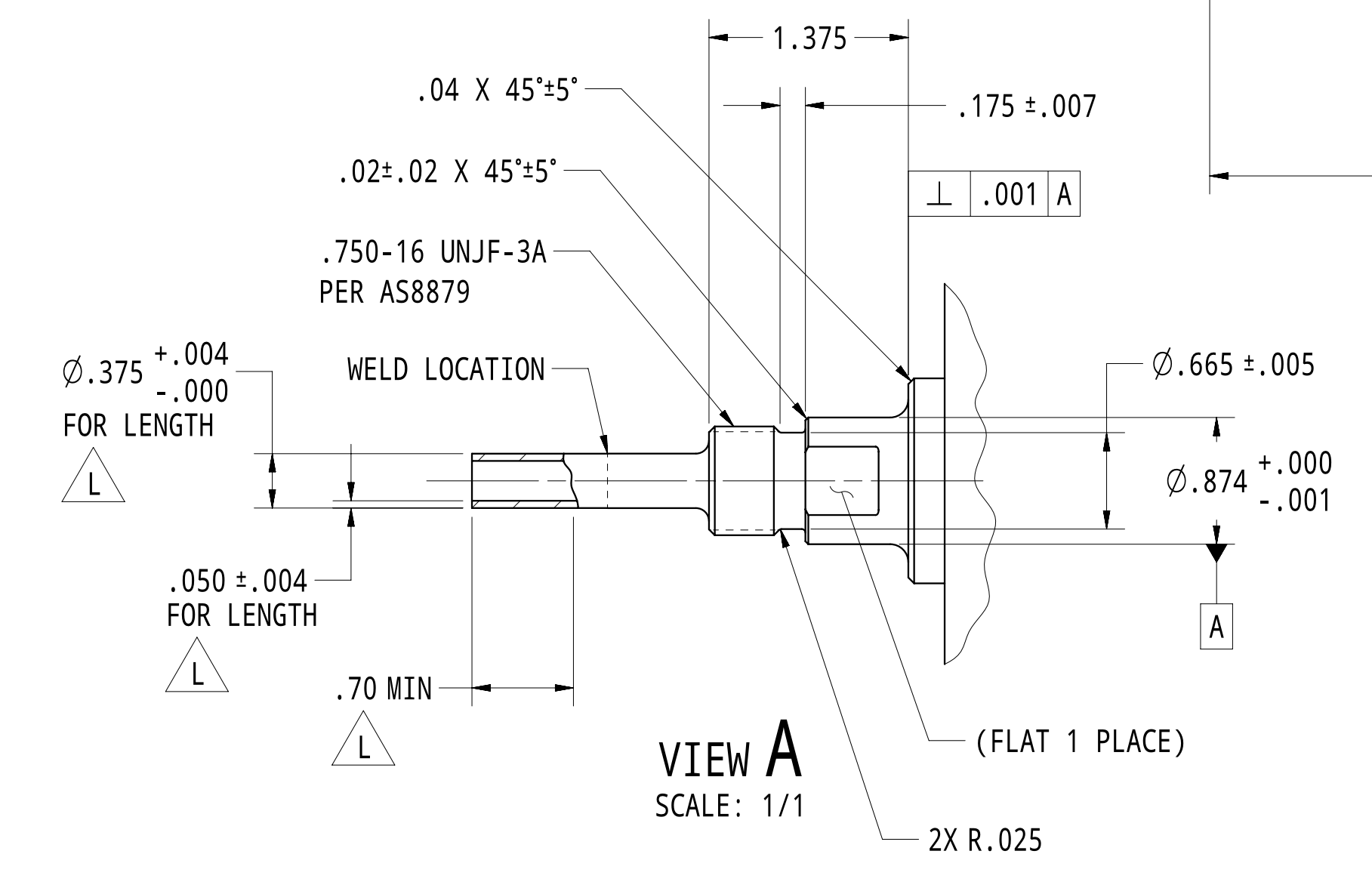
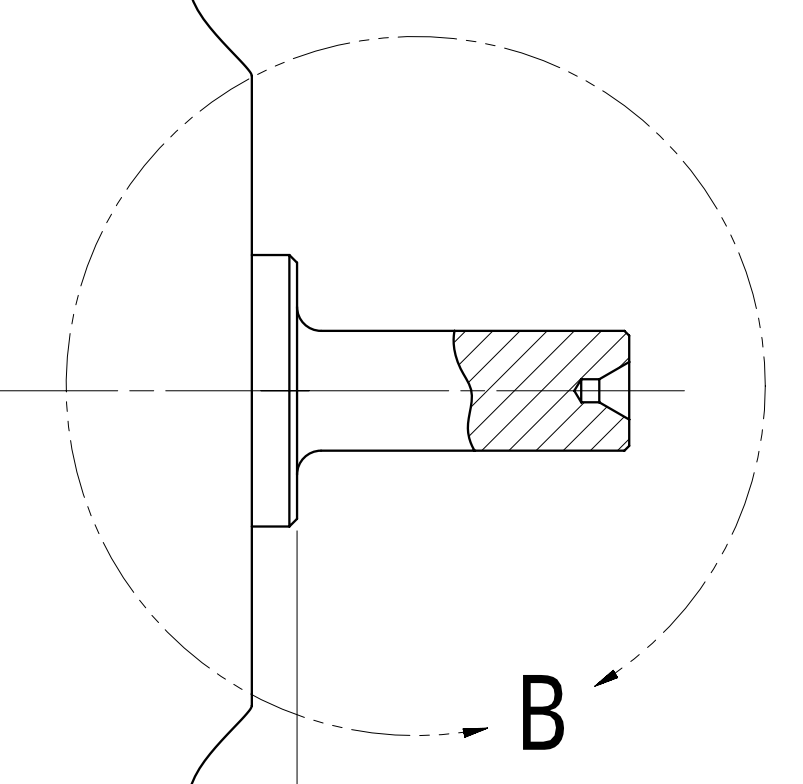
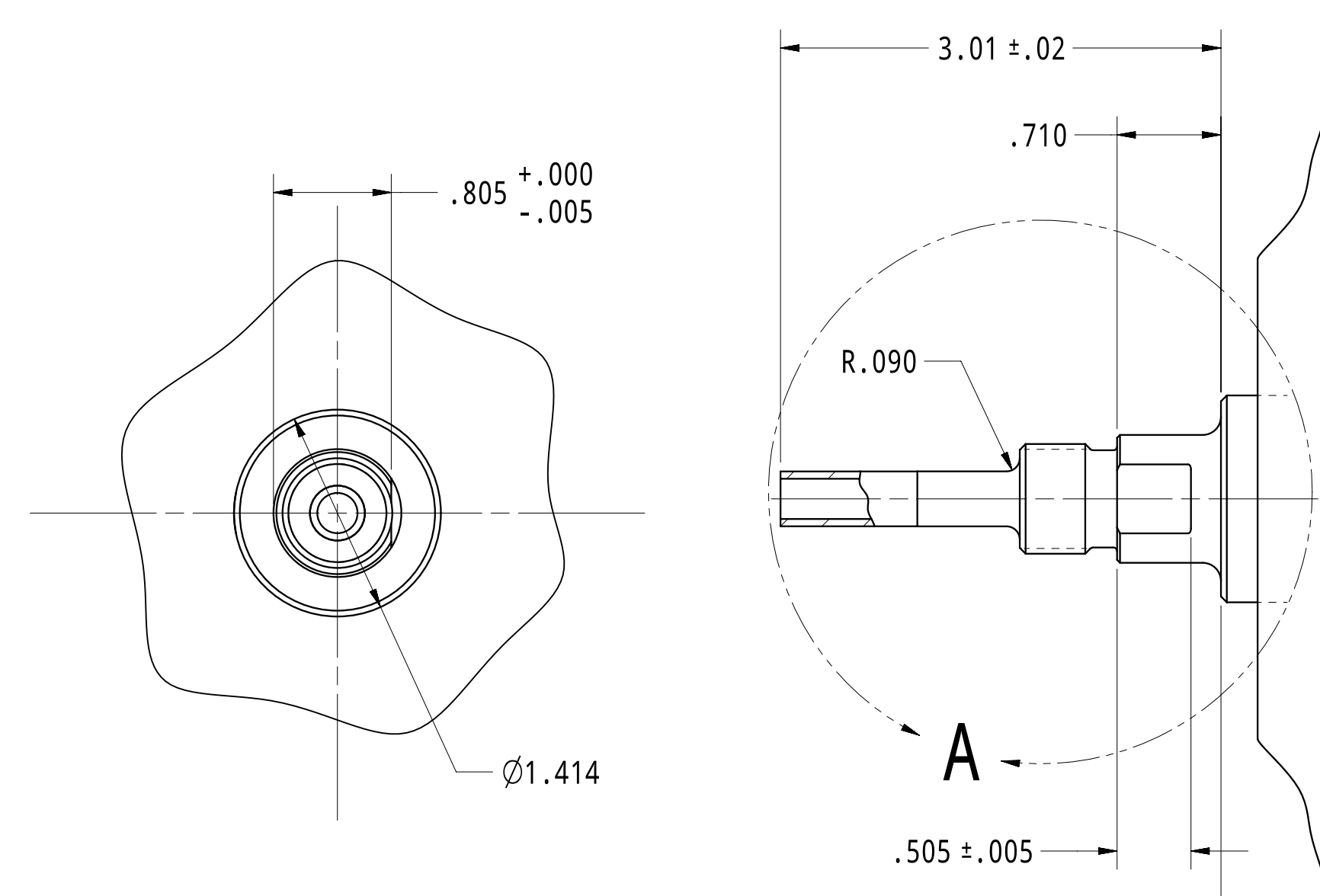
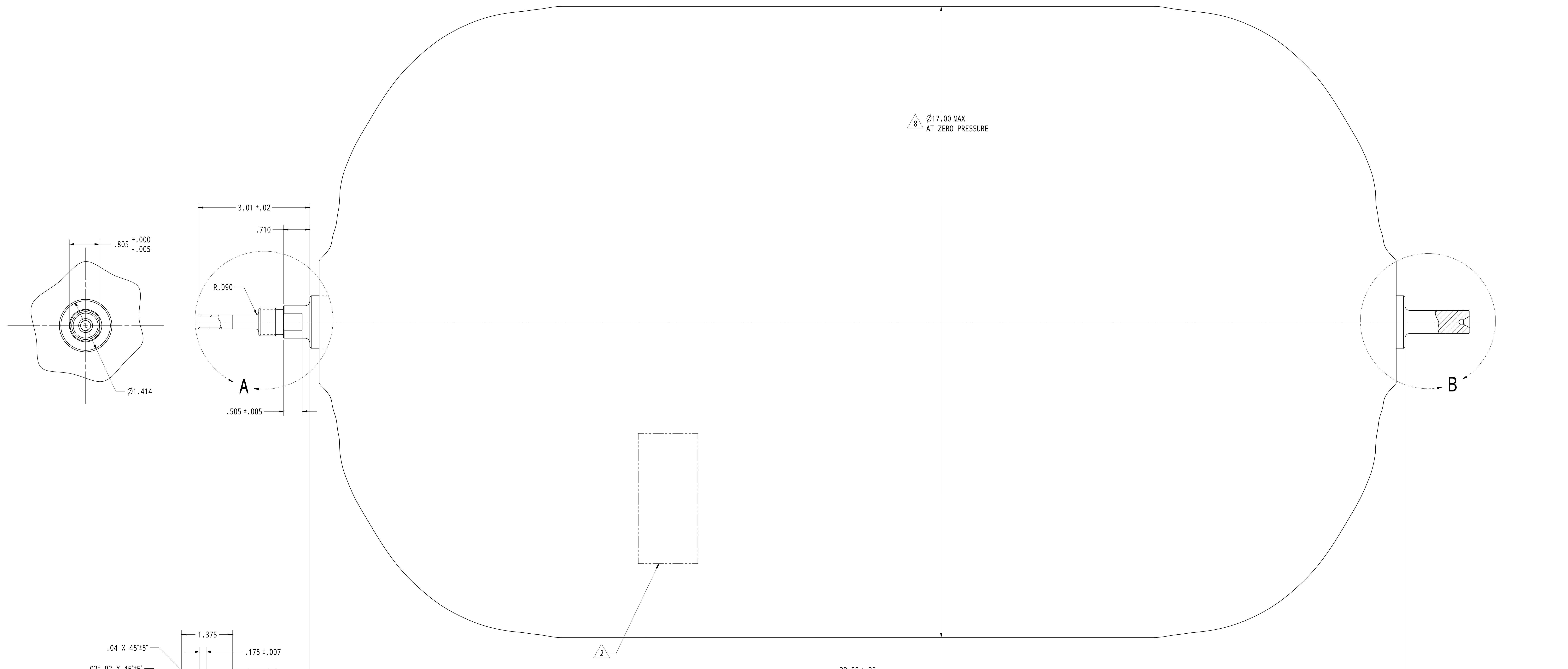


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
-			

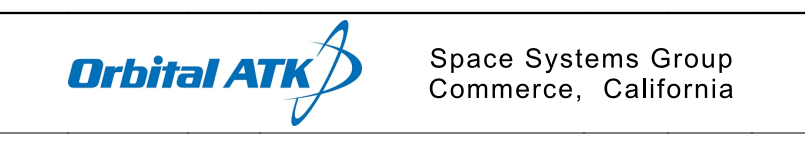
PROPRIETARY NOTICE - Information contained herein is proprietary to Orbital ATK, is submitted in confidence, and is privileged and exempt from disclosure by the U.S. Government under paragraph (b) of The Freedom of Information Act (5 USC 552) and subject to 18 USC 1905. EXPORT CONTROLLED - Information contained herein is regulated for export by the Export Administration Regulations (EAR) in 15 CFR Parts 730-734. The export or transfer of this information to a foreign person within or outside of the United States without an approved export license or other export authorization from the Department of Commerce is prohibited.



NOTES: UNLESS OTHERWISE SPECIFIED

- THIS DRAWING SHOULD NOT BE USED FOR MANUFACTURING OR INSPECTION.
- IDENTIFY TANK AS FOLLOWS USING WHITE EPOXY BASED INK APPLIED BY RUBBER STAMPING, STENCILING OR HAND LETTERING WITH .25 HIGH CHARACTERS ON CENTER OF CYLINDRICAL REGION:
  - A) FOR FLIGHT TANK:
    - PRESSURANT TANK
    - ORBITAL PART NO.: CSS-PF4720-04
    - MFG BY ATK SPACE SYSTEMS, INC.
    - CAGE CODE: 18229
    - ATK PART NO.: 80606-1
    - ATK SERIAL NO.: [ ]
  - B) FOR QUALIFICATION TANK:
    - PRESSURANT TANK
    - ORBITAL PART NO.: CSS-PF4720-03
    - MFG BY ATK SPACE SYSTEMS, INC.
    - CAGE CODE: 18229
    - ATK PART NO.: 80606-501
    - ATK SERIAL NO.: [ ]
- CAUTION: THE CARBON FIBER OVERWRAP IS HIGHLY SUSCEPTIBLE TO IMPACT DAMAGE. PROTECT SURFACE WHENEVER POSSIBLE. REPORT ALL KNOCKS, DINGS & SCRATCHES.
- ACCEPTANCE TEST -1 TANK PER ATK PROCEDURE 50-XXXXX.
- QUALIFICATION TEST -501 TANK PER ATK PROCEDURE 50-XXXXX.
- FOR INFORMATION, THE PRESSURANT TANK HAS THE FOLLOWING CHARACTERISTICS:
  - BURST PRESSURE (2.0xMEOP): 9600 +50/-0 PSIG AT 50°C
  - PROOF PRESSURE (1.5xMEOP): 7200 +50/-0 PSIG AT 50°C
  - MAXIMUM EXPECTED OPERATING PRESSURE (MEOP): 4800 PSIG AT 50°C
- 'AS DESIGNED' WEIGHT OF TANK IS 35.1 LBS [15.92 KG].
- CALCULATED DIAMETRAL GROWTH OF TANK IS:
  - .13 INCH AT MEOP
  - .20 INCH AT PROOF PRESSURE.
- CALCULATED LINEAR GROWTH OF TANK IS:
  - .25 INCH AT MEOP
  - .37 INCH AT PROOF PRESSURE
- THE MINIMUM TANK INTERNAL VOLUME IS 4,967 IN<sup>3</sup> AT 4800 PSIG.

MANUFACTURING STANDARDS UNLESS OTHERWISE SPECIFIED		DESIGN	T. LE	12/01/16
TOLERANCES	ALL MACH. SURF. ROUGHNESS TO BE 63	CHECKED	J. KUD	12/08/16
.X = ±.1	PER ASME B46.1	APPROVED		
.XX = ±.03		APPROVED		
.XXX = ±.010				
ANGLES = ±0.5°				
1. ALL DIMENSIONS ARE IN INCHES 2. DO NOT SCALE DRAWING 3. BREAK SHARP EDGES .010 MAX 4. INTERPRET PER ASME Y14.100 5. PARENTHETIC DATA ARE FOR REF. ONLY				
PART NO.	NEXT ASSY	USED ON	NEXT ASSY	QTY USED
APPLICATION		HEAT TREAT	FINISH	
SIZE	CAGE CODE	DWG NO.	REV	
E	18229	80606	-	
SCALE: 1/1	NX GENERATED	SHEET: 1 OF 1		



PRESSURANT TANK ICD

SHEET 1 OF 1 80606