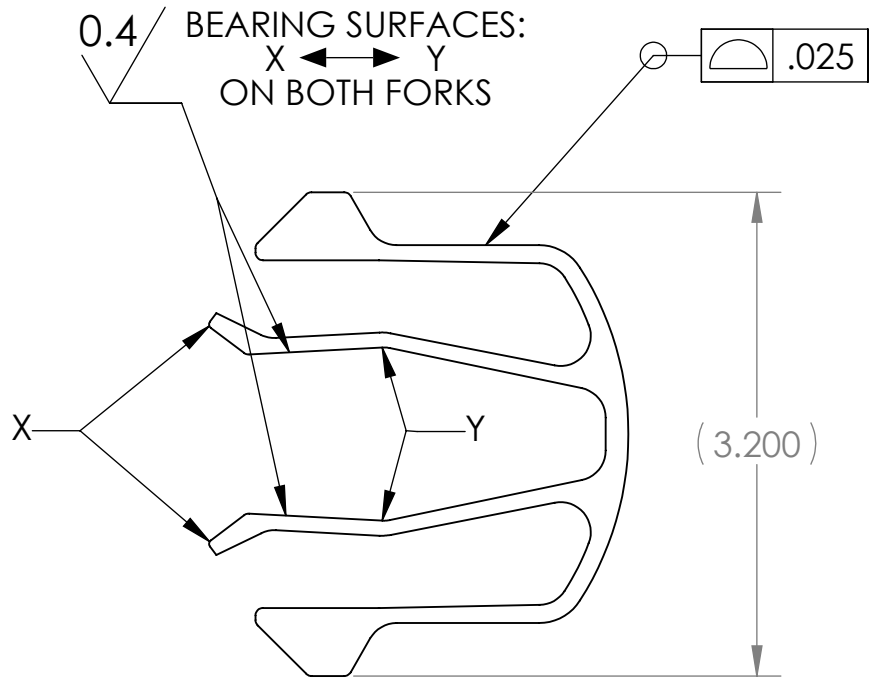
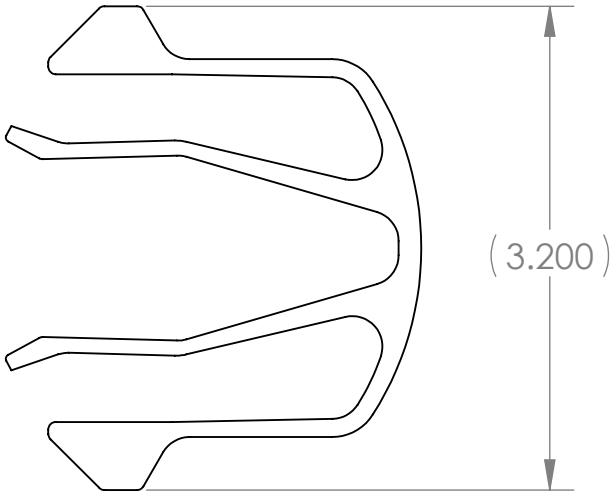
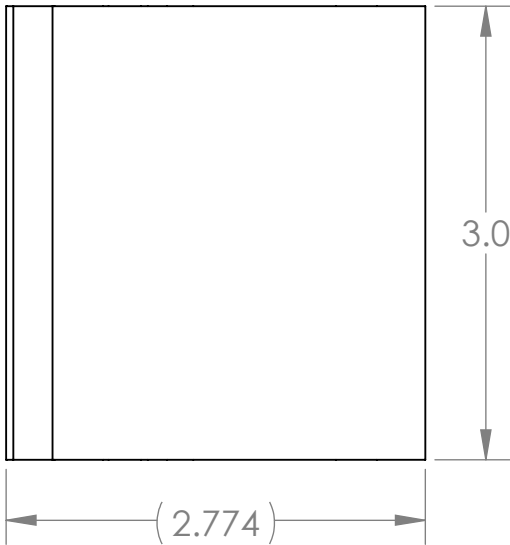


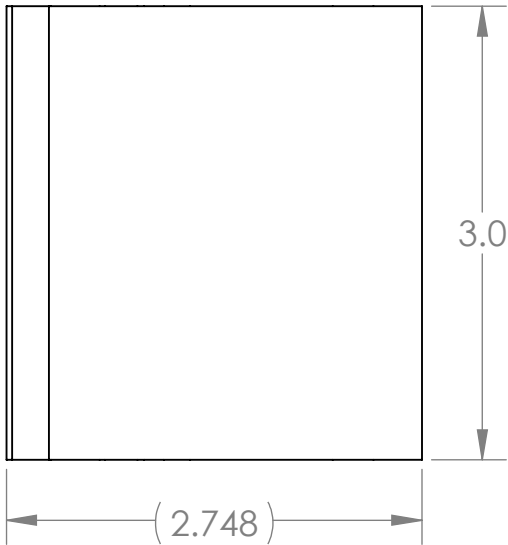
REV.	DESCRIPTION	REVISED BY	CHECKED	SYS. E.	CM	DATE
A	INITIAL RELEASE	JHS	XXX	XXX	XXX	2021-06-23



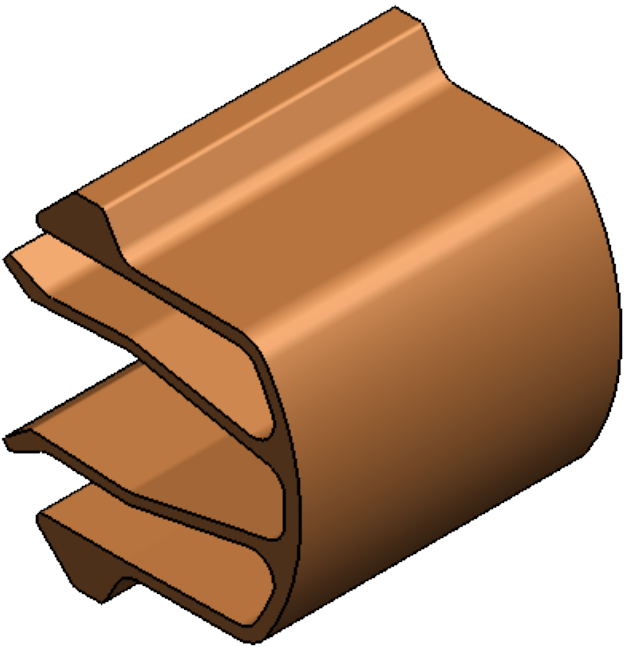
CONFIG: 01



CONFIG: 02



- NOTES: UNLESS OTHERWISE SPECIFIED
- BAG AND TAG WITH PART NAME, NUMBER, AND REVISION.
 - MATERIAL SHALL BE 544 BRONZE, H04 TEMPER.
 - PROFILE TOLERANCE $\boxed{\text{profile symbol}} .025$ IS WITH RESPECT TO SOLID MODEL GEOMETRY.
 - THERE ARE TWO SLIGHTLY DIFFERENT GEOMETRY CONFIGURATIONS FOR THIS PART. ALL TOLERANCES ARE THE SAME FOR EITHER CONFIG.



INFORMATION OF INTEREST TO DESIGN ENGINEER ONLY...
(INCLUDED HERE FOR DOCUMENTATION PURPOSES ONLY):

- INTENDED SHAFT DIAMETER = 1.3 MM
- CONFIG 01:
 - 100 UM NOMINAL DEFLECTION EACH FORK.
 - ESTIMATED VALUES: YIELD FOS ~ 1.08 (402 MPA), SPRING CONSTANT ~ 17 N/MM, HOLDING TORQUE ~ 0.12-0.76 N*MM.
- CONFIG 02:
 - 50 UM NOMINAL DEFLECTION EACH FORK.
 - ESTIMATED VALUES: YIELD FOS ~ 2.03 (214 MPA), SPRING CONSTANT ~ 30 N/MM, HOLDING TORQUE ~ 0.14-0.89 N*MM.

UNLESS OTHERWISE SPECIFIED:		Ernest Orlando Lawrence Berkeley National Laboratory	
DIMENSIONS IN MM TOLERANCES: ANGULAR $\pm 0.5^\circ$ X ± 0.5 X.X ± 0.1 X.XX ± 0.05 X.XXX ± 0.010		PROJECT Physics LDRD 2021	
MATERIAL C54400-H04		TITLE: Trillium Alpha Frictioner	
MACHINING FINISH: 3.2 micron EDGE BREAK: 0.1mm x 0.1mm		SOLIDWORKS MODEL REVISION AT TIME OF RELEASE: 0005	
PROJECTION: THIRD ANGLE		SIZE B	REV A
DO NOT SCALE DRAWING		DWG. NO. TRL-0031	WT: Kg
		SHEET 1 OF 1	