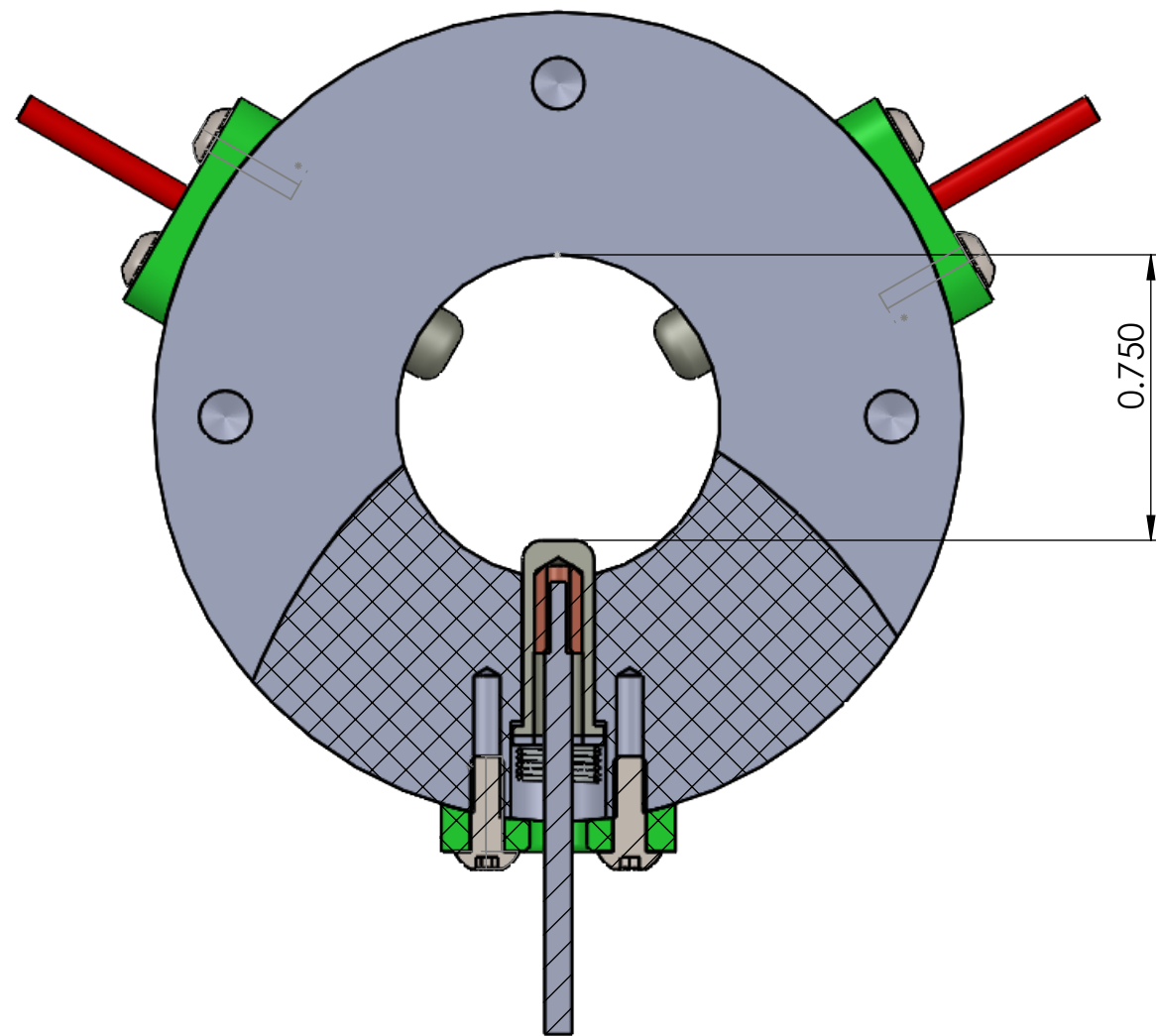




Case 1:

3/4" nb rod is on opposite side of brush. Spring is fully extended

Spring length: 0.197"

Spring deflection = 0.375" - 0.197" = 0.178"

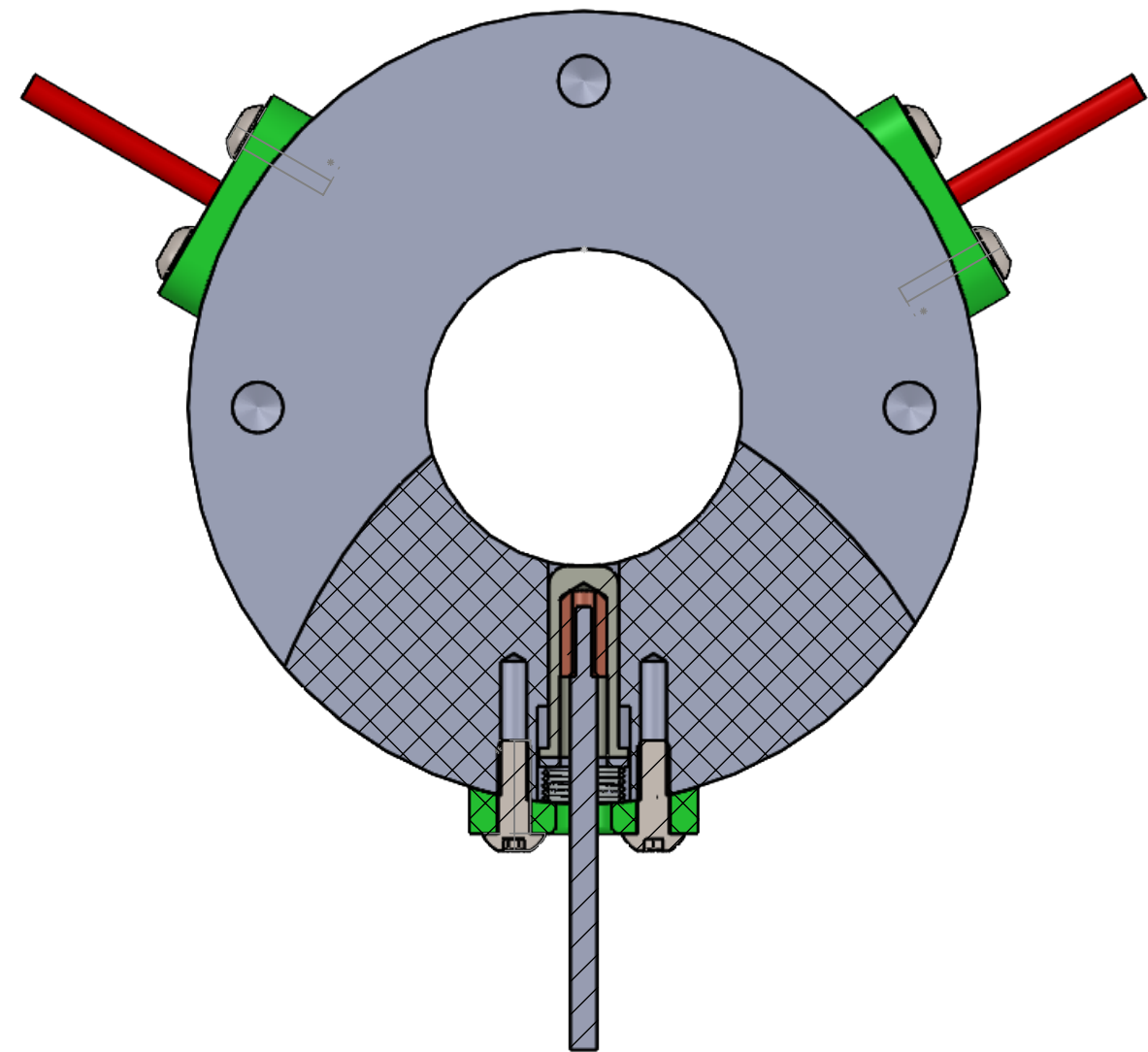
Spring force = 0.219 lb

Spring specifications:

Free length: 0.375"

Rate: 1.23 lb/in

Solid length: 0.090"



Case 2:

3/4" nb rod is on side of brush. Spring is fully compressed

Spring length: 0.097"

Spring deflection: 0.375" - 0.097" = 0.278"

Spring force: 0.342 lb

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute		
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN				
1. DIMENSIONS ARE IN INCHES				ENGINEER	Francois Cazenave	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700		
2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED				
3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.		PTD_Wear_Test		
4. MACHINED FILLET RADII .0150-.030.				PROJECT				
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005						SIZE B	DWG. NO.	REV.
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.						SCALE 1:1		SHEET 1 OF 1
DO NOT SCALE DRAWING				WEIGHT 0.35 lb.				