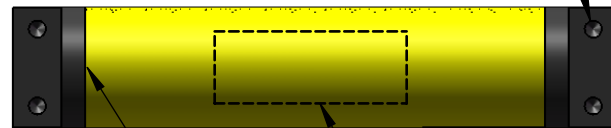


2X ϕ .089 ∇ .349
4-40 UNC ∇ .224



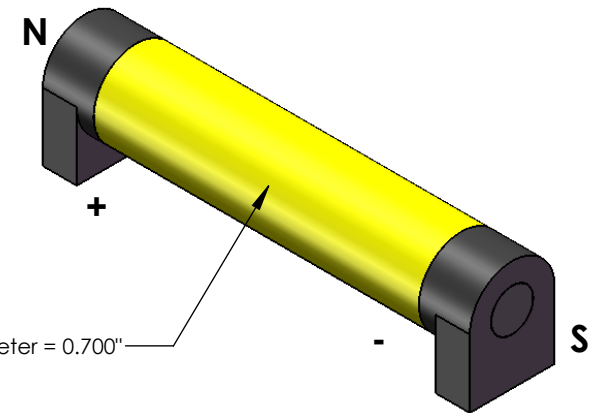
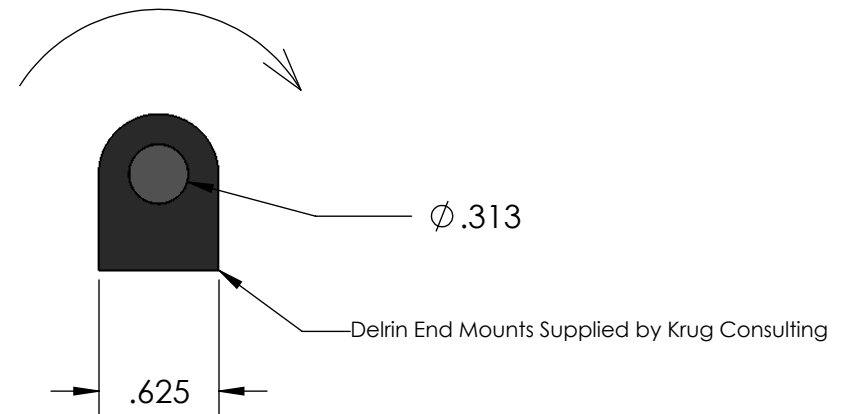
Locate part number label on bottom of assembly
Maximum label size 1" x 0.375"

Dress out wire on
bottom of assembly in
center of each end

Notes:

1. Wire, bondable, 30 AWG Single Polyester Nylon Insulation
2. Turns = ~ 3000
3. Layers = 15
4. Turns per layer = ~200
5. Dress out each end with 0.750" 24AWG wire on each end. 0.25" of wire tinned on end.
6. Cover magnet with yellow heat shrink tubing.
7. Retain solder connection within heat shrink tubing.
8. Core material currently 5/16" iron rod.
9. Assemble so Delrin End mounts are aligned and will sit flat on PCB.

Wind Direction
Start from the far end, wind
CW toward near end.
See magnetic polarity
details below.



Maximum Finish Diameter = 0.700"

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PROHIBITED.

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL $\pm 1/16"$
ANGULAR: MACH \pm BEND \pm
TWO PLACE DECIMAL ± 0.010
THREE PLACE DECIMAL ± 0.005

MATERIAL --

FINISH --

DO NOT SCALE DRAWING

Krug Consulting

SIZE
A

DWG. NO.

Torque Rod Assembly

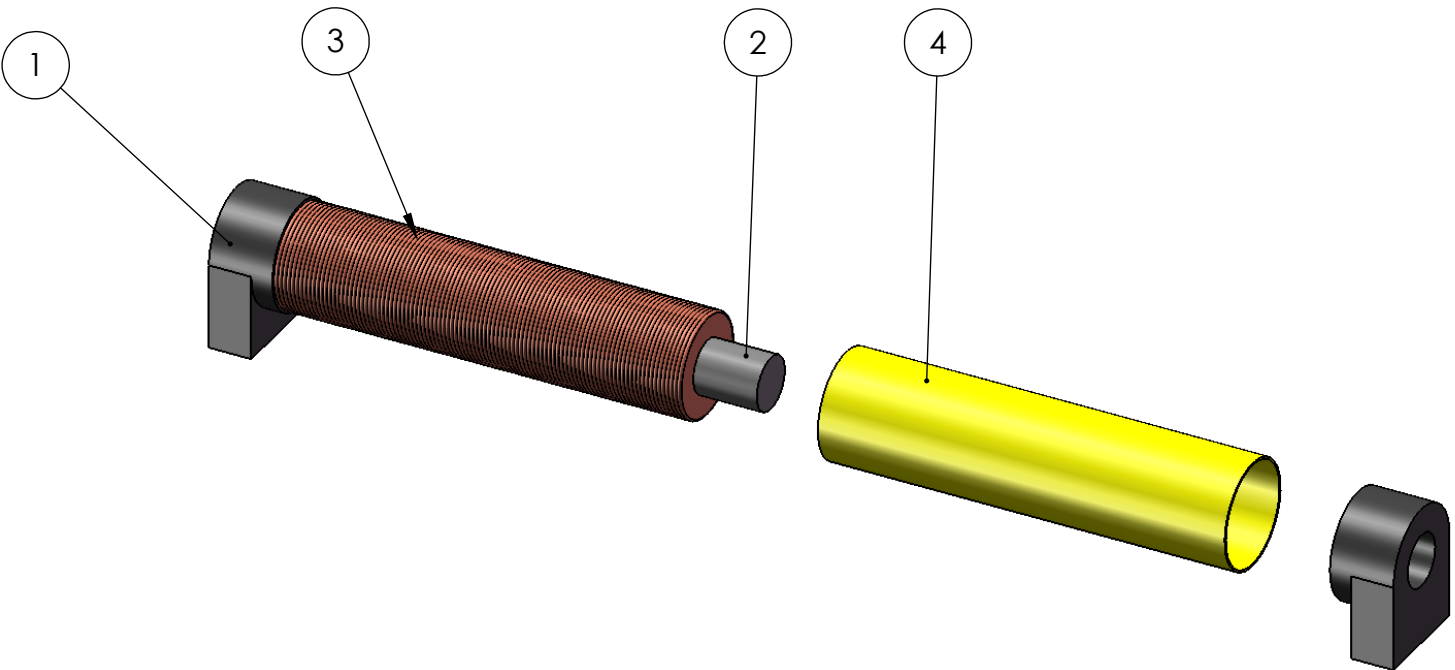
REV.

SCALE:1:1

WEIGHT:

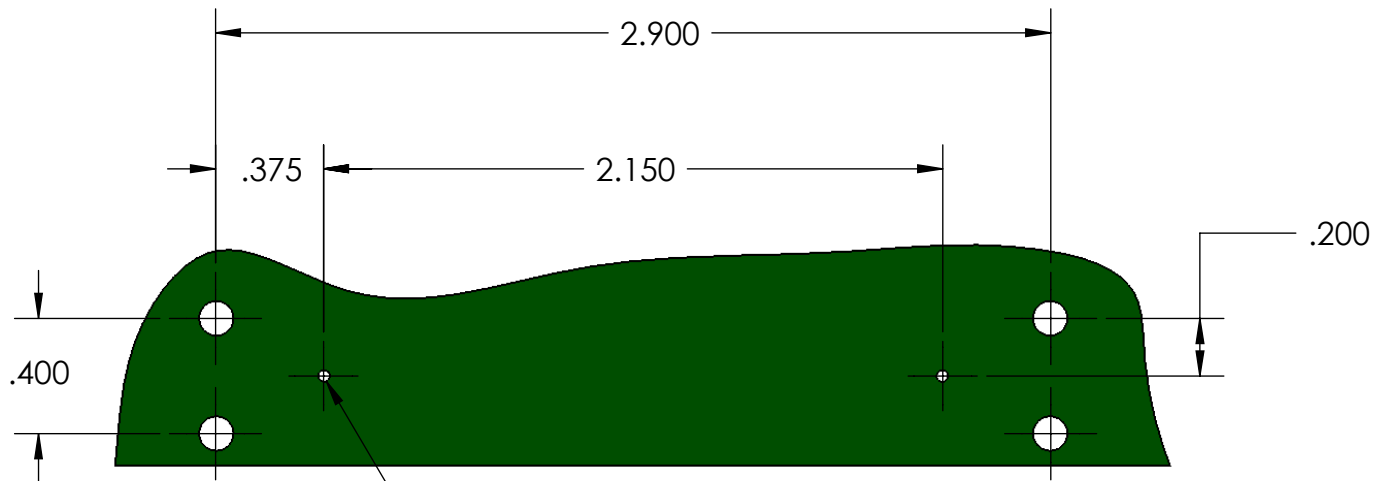
SHEET 1 OF 3

ITEM NO.	PART NUMBER	MATERIAL	QTY.
1	Torque end	Machine Delrin End - Supplied by Krug Consulting	2
2	Torque core rod	5/16 Iron Rod	1
3	Torque winding	Wire coil. See Notes	1
4	Torque heat shrink	Yellow Heatshrink Tubing. Available from www.mouser.com Part Number 5174-11006	1



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		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		NAME	DATE	Krug Consulting		
			DRAWN					
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		MATERIAL	---		Q.A.			
		FINISH	---		COMMENTS:			
NEXT ASSY	USED ON					SIZE A	DWG. NO.	REV.
APPLICATION		DO NOT SCALE DRAWING				SCALE:1:1	WEIGHT:	SHEET 2 OF 3



Typical PCB Layout for Magnet.
Note location of holes to accept
dressed magnet wires on each end.

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		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±			NAME	DATE	Krug Consulting		
				DRAWN					
				CHECKED					
				ENG APPR.					
				MFG APPR.					
		MATERIAL		Q.A.			SCALE: 1:1 WEIGHT: SHEET 3 OF 3		
		FINISH		COMMENTS:					
NEXT ASSY	USED ON						SIZE A	DWG. NO.	REV.
APPLICATION		DO NOT SCALE DRAWING							