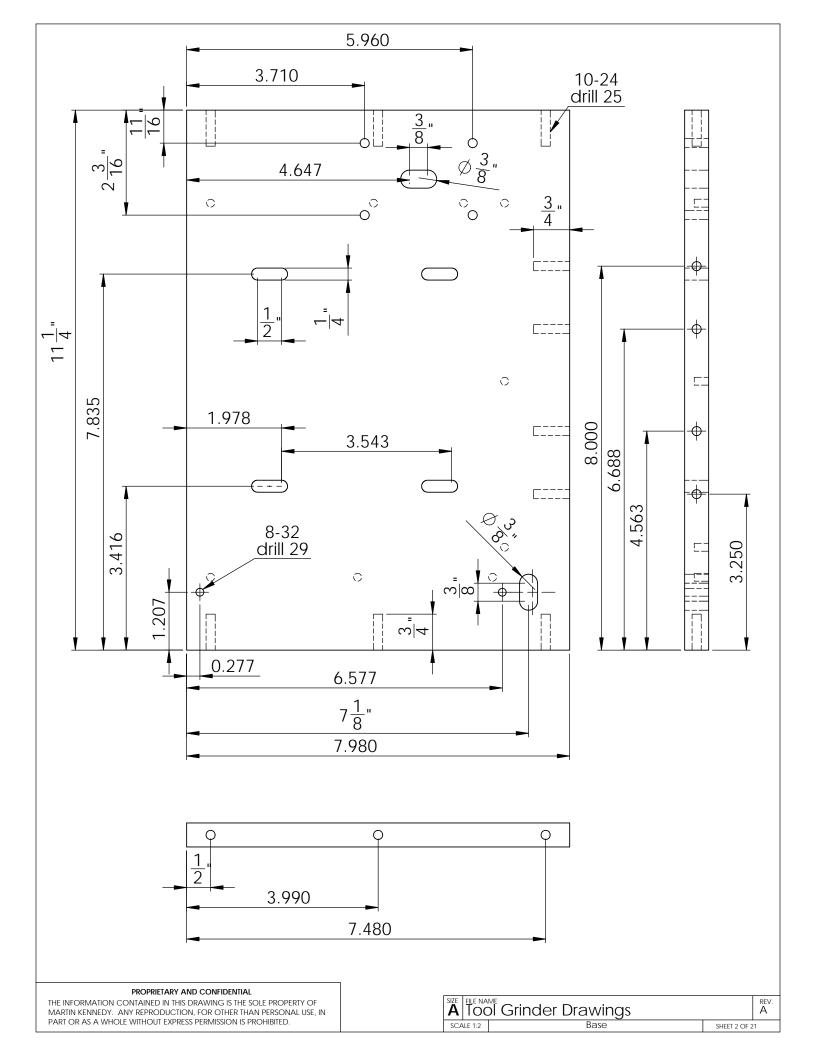
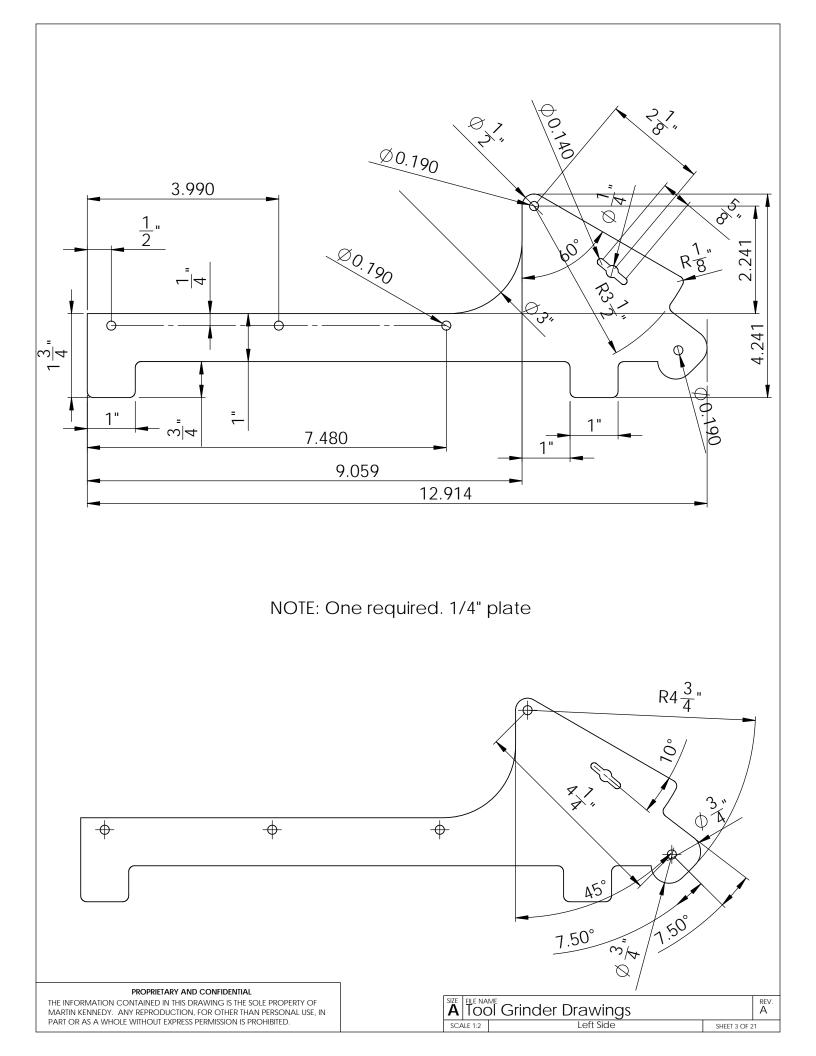
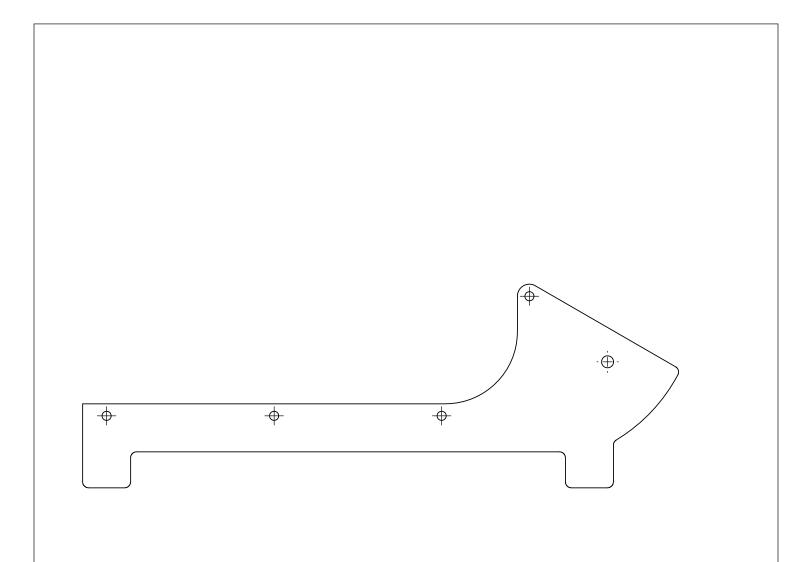


Adjustable Tool Grinder

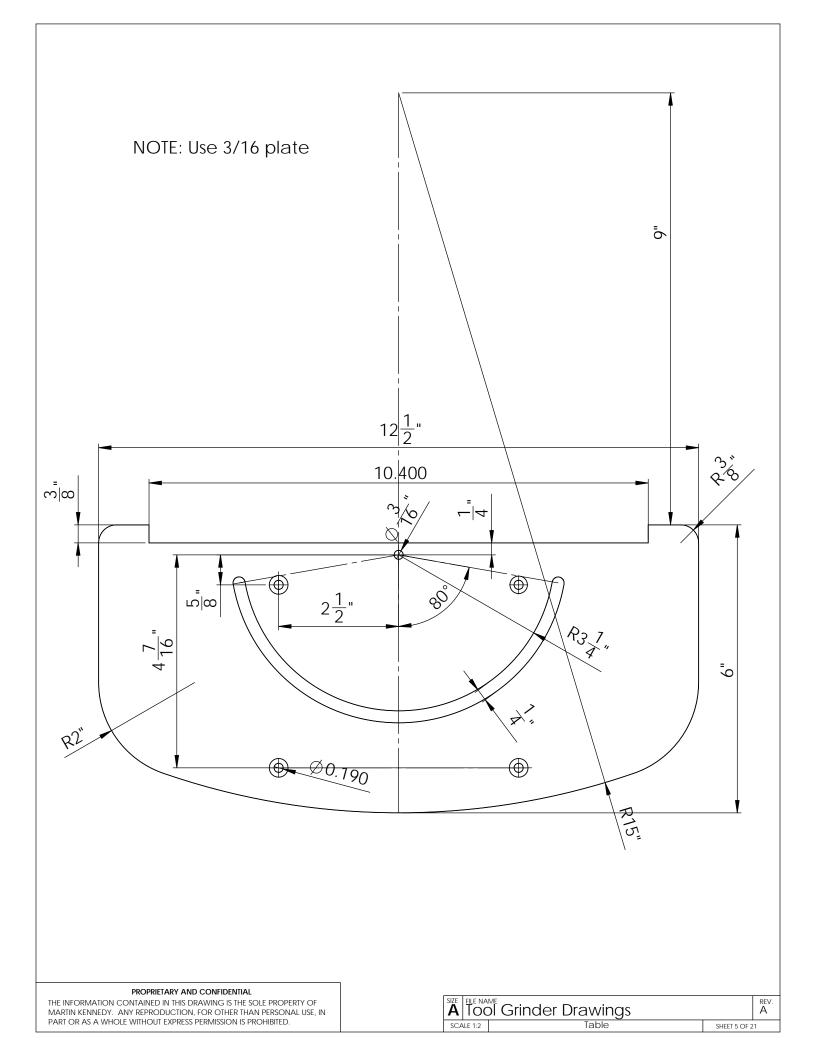
by Martin Kennedy July 7, 2014

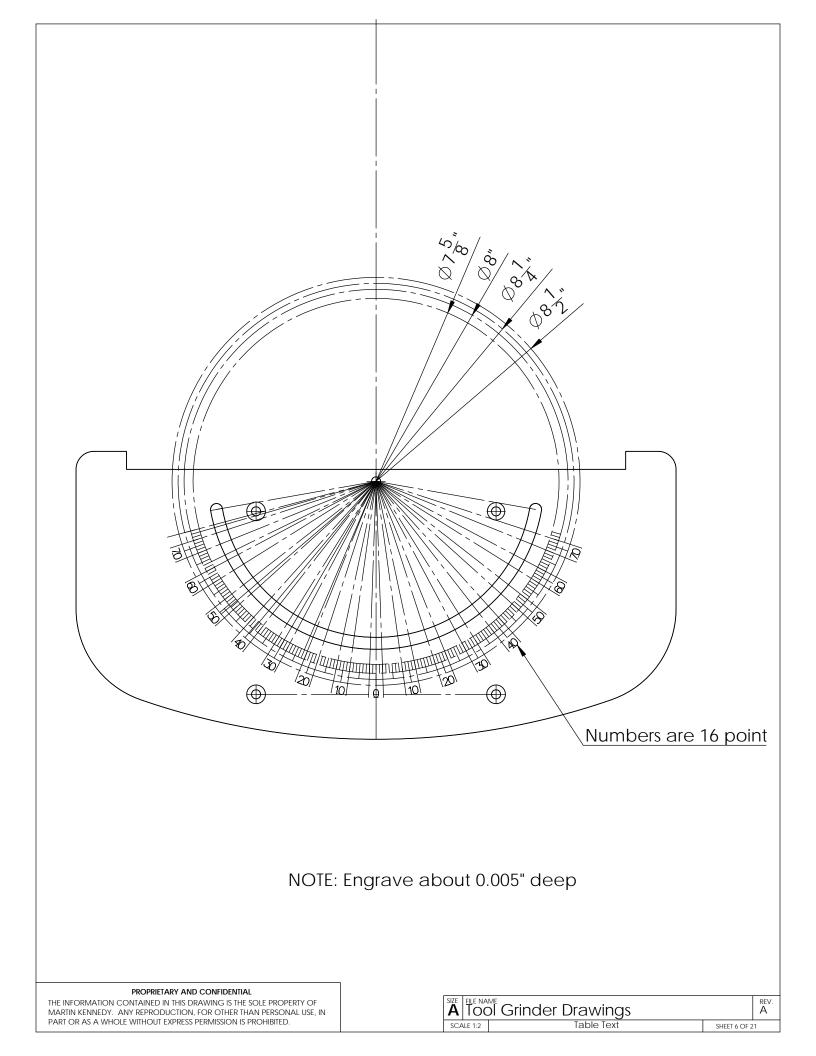


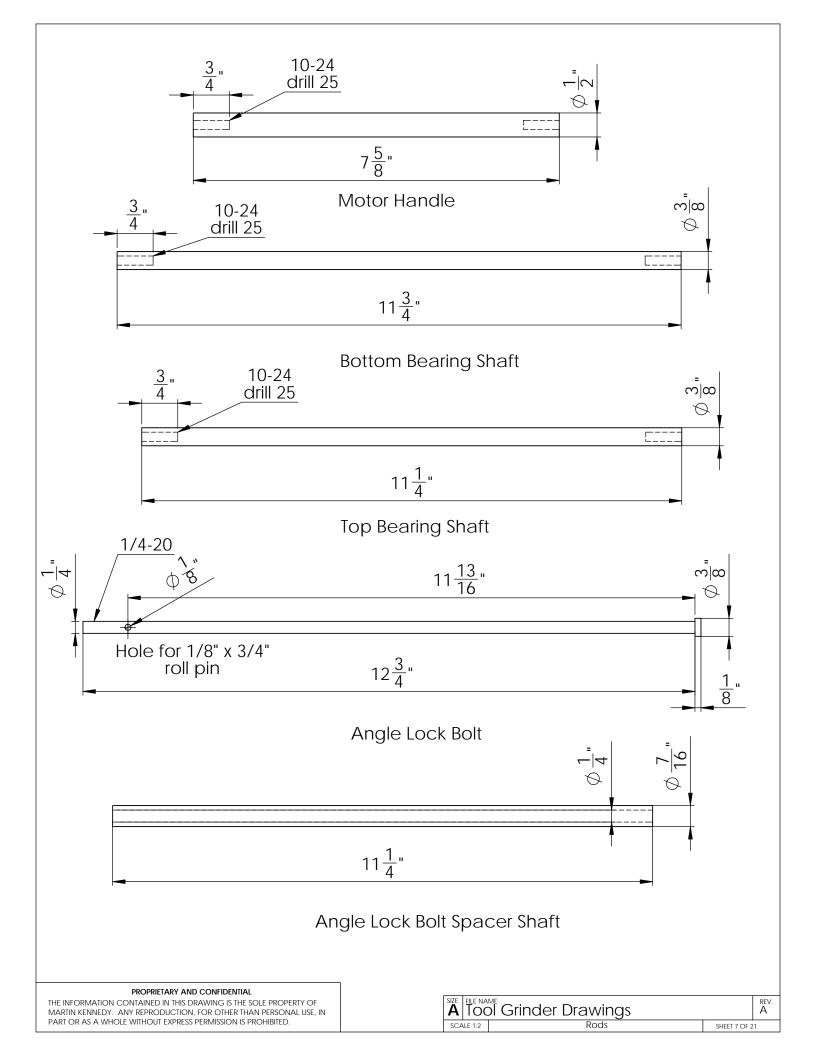


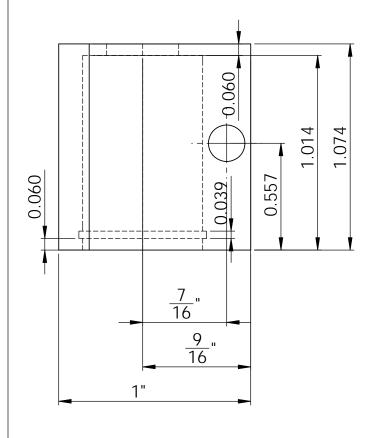


Note: See Left Side for dimensions

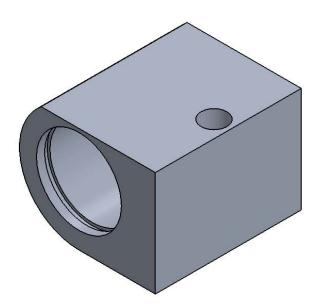


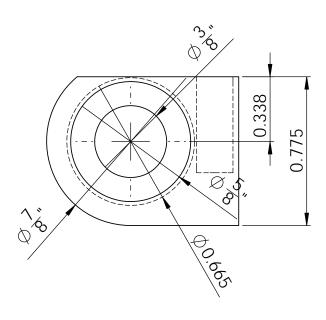


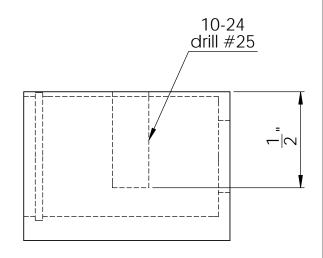




NOTE: Bearing length includes extra space for felt washers to keep grit out of bearing.







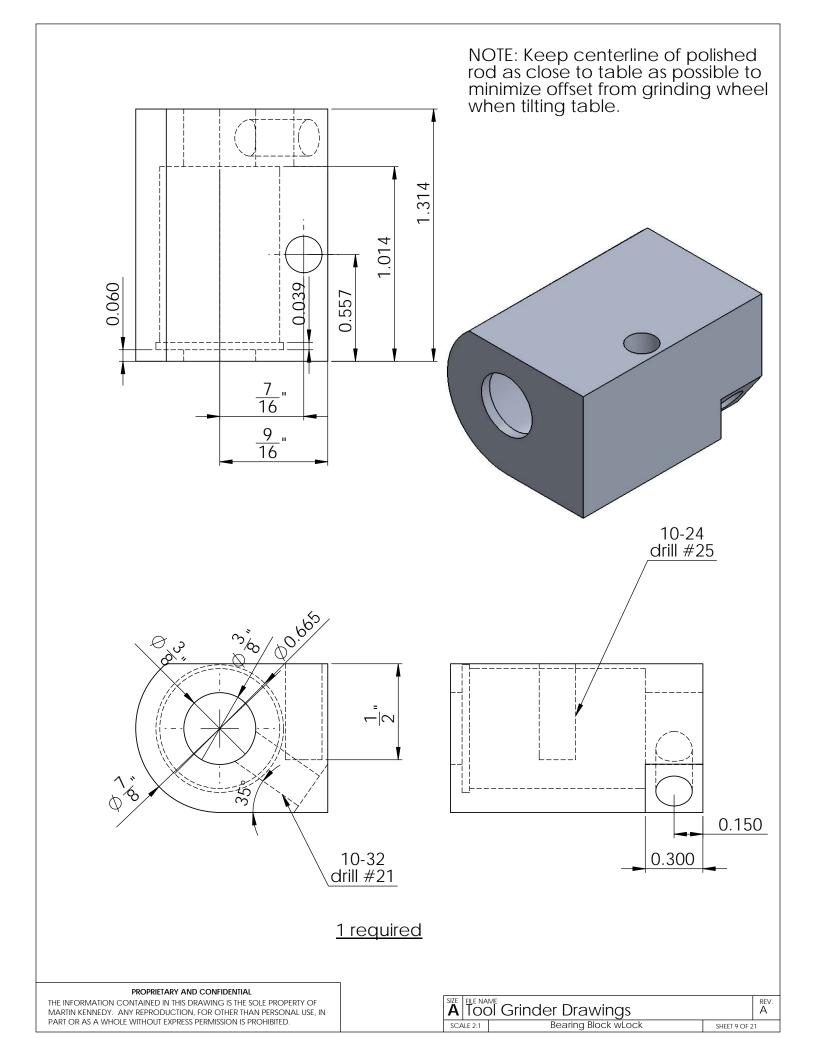
3 required (including one as mirror image i.e. circlips face each other)

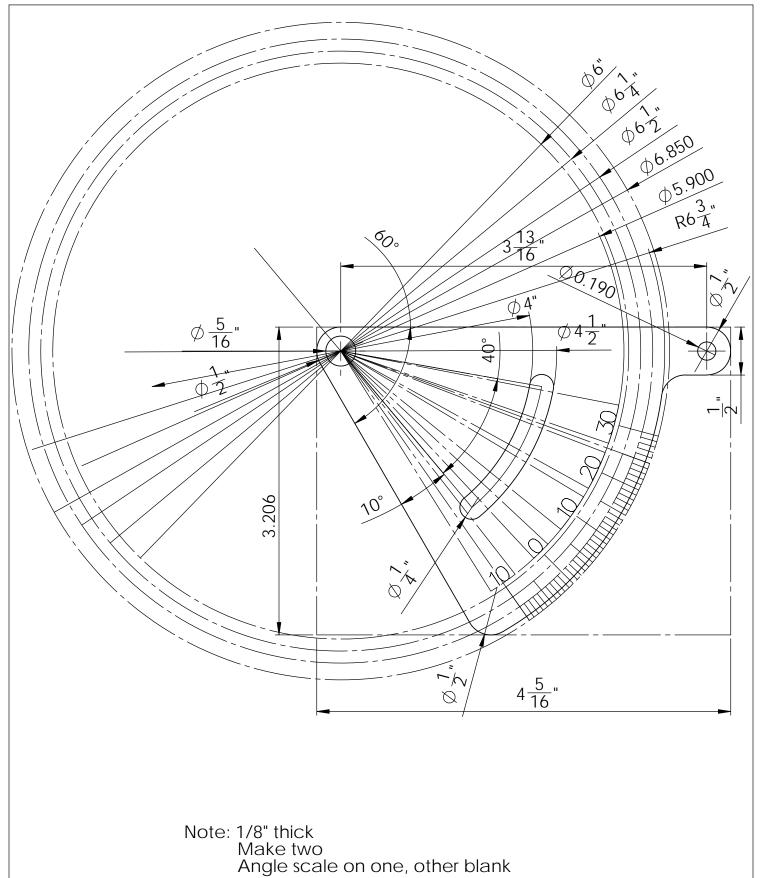
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A	TOC	of Grinder Drawings	
SCA	LE 2:1	Bearing Block	SHEET 8

REV.

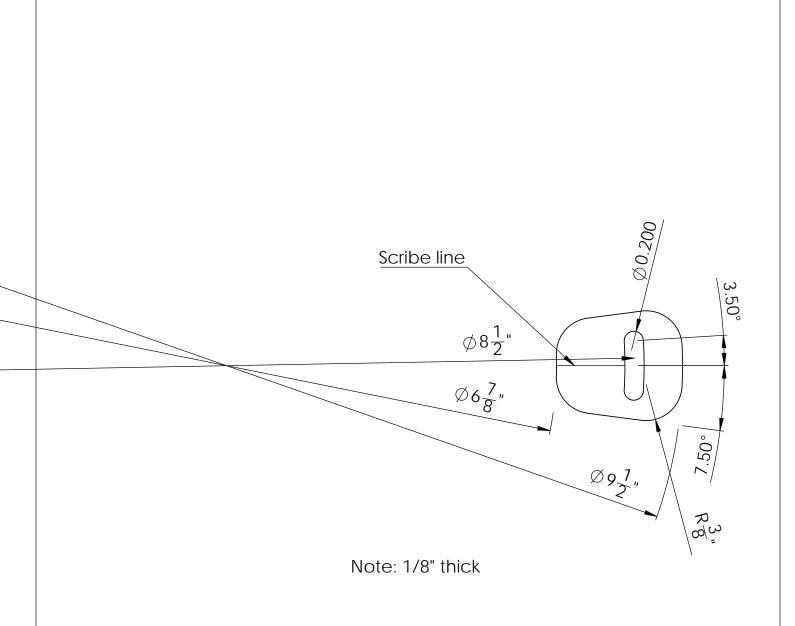


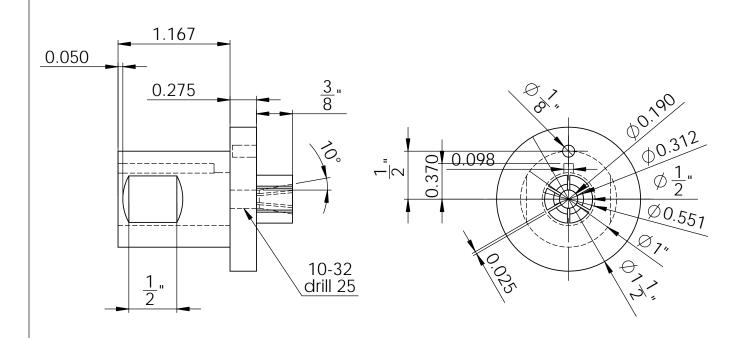


PROPRIETARY AND CONFIDENTIAL

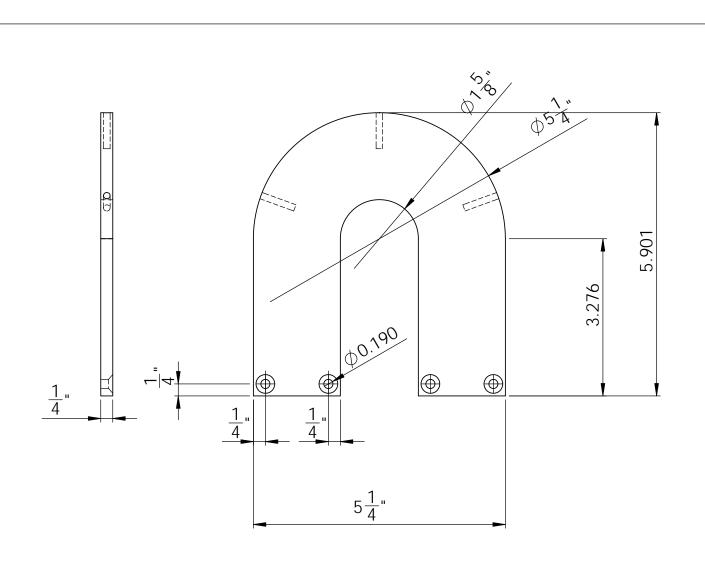
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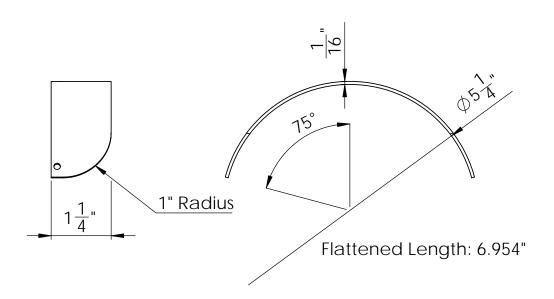
	A	TOC	of Grinder Drawings		REV. A
SCA		LE 1:1	Angle Gauge	SHEET 10 OF	21



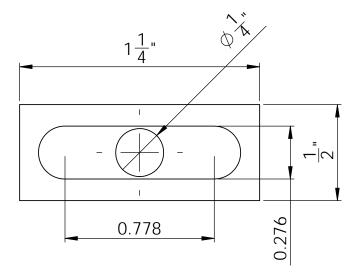


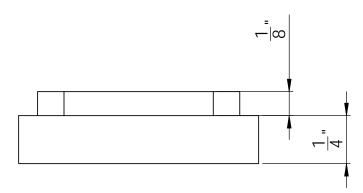
NOTE: Modify to fit your motor Cut 10 degree taper on 10 -32 cap screw to fit hub

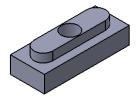




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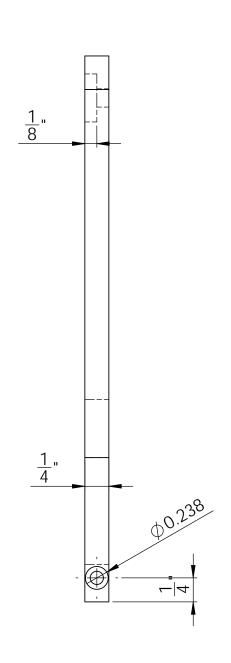


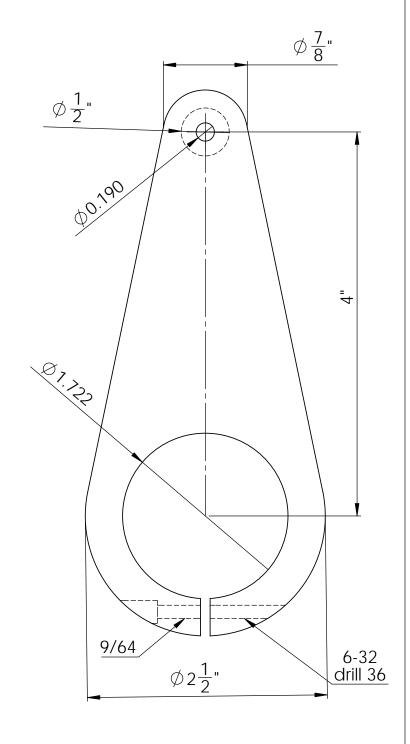


SCALE 1:1

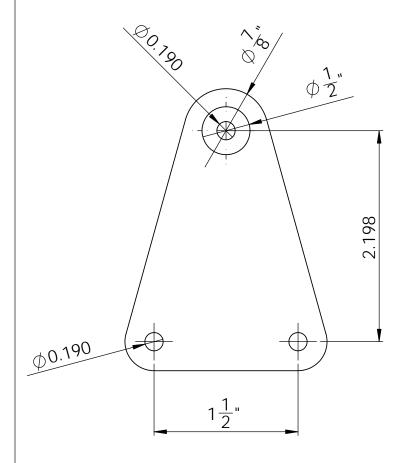
REV.

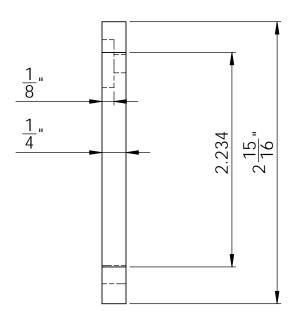
SHEET 14 OF 21

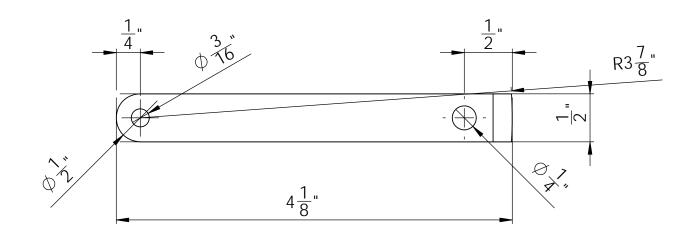


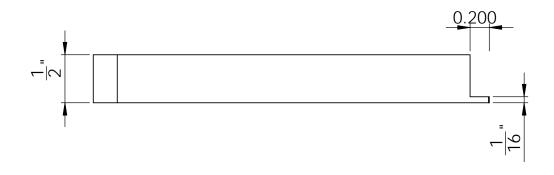


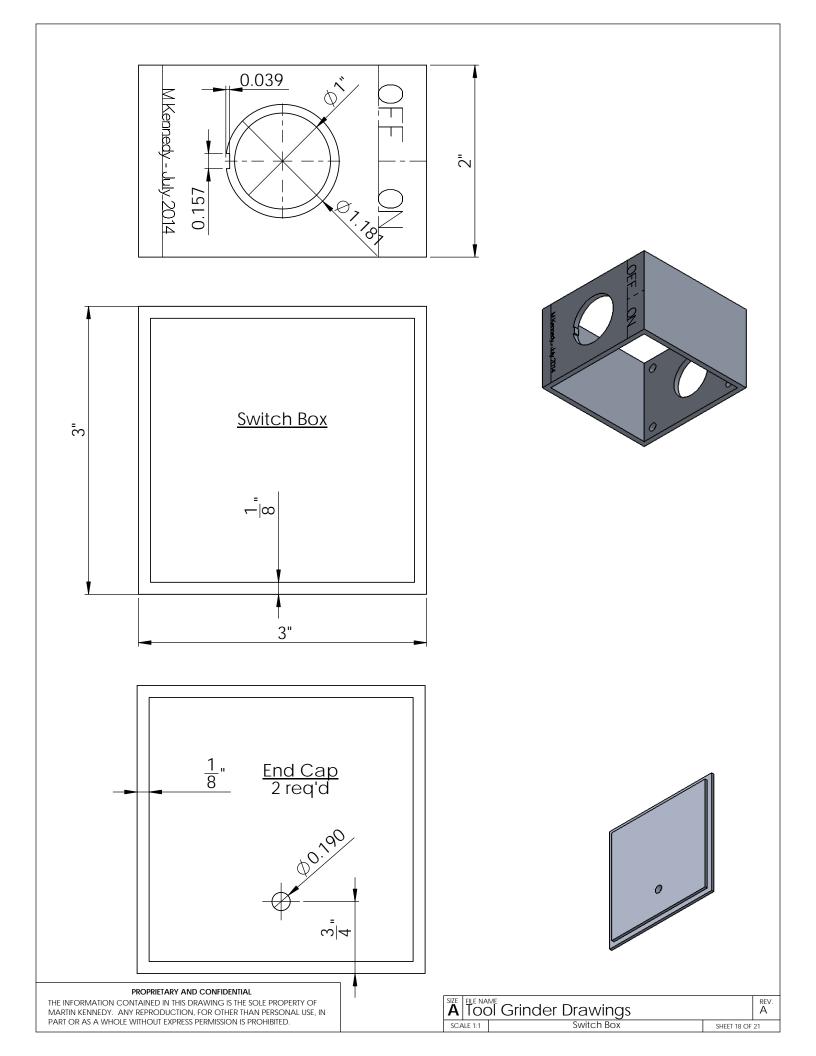
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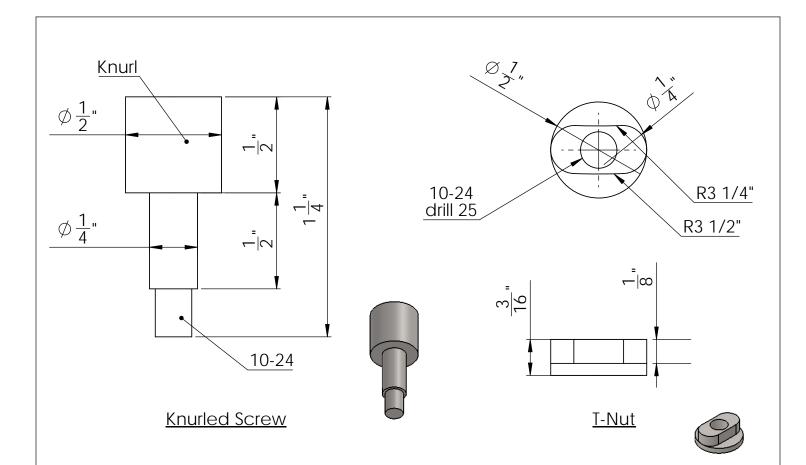


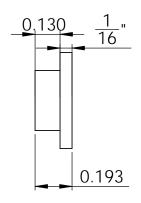


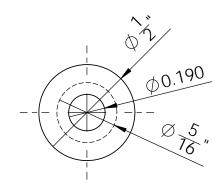














Pivot Bushing 2 req'd

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SIZE	FILE NA	of Grinder Drawings		REV.
SCALE 2:1		Misc	SHEET 19 OF 21	











NOTES:

Materials of Construction

- Table Stainless Steel or use other material that does not get grit embedded, such as cast iron. Do not use Aluminum!
- Most other material Aluminum
- Linear bearings and polished rods were on-hand. Can also use parts from discarded printers.
- 1745 RPM 220V 1/2HP 3 phase motor and Siemens Micromaster Vector VFD were on-hand. Can also use reversible 120V motor.
- Abraisive wheel is Glendo / GRS 5", 600 grit medium. Available on eBay.
 Parts designed for CNC mill. Many parts can be simplified for conventional