

## Pearling Machine Plans

# Feed Gate Assembly

Nigel Tudor  
Weatherbury Farm



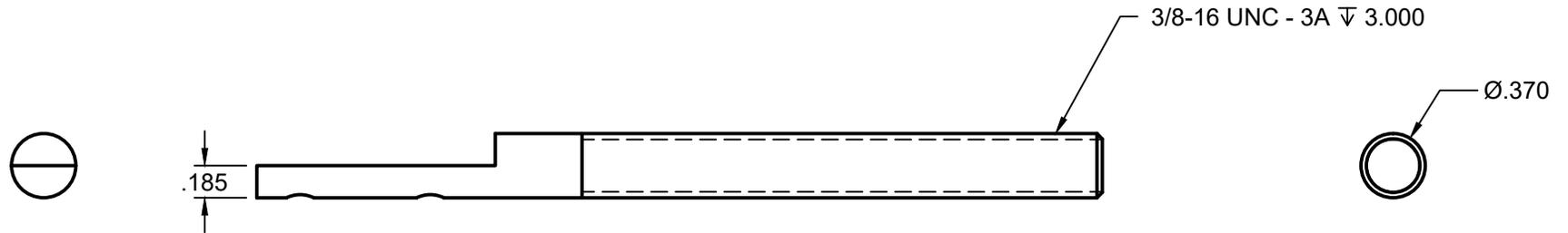
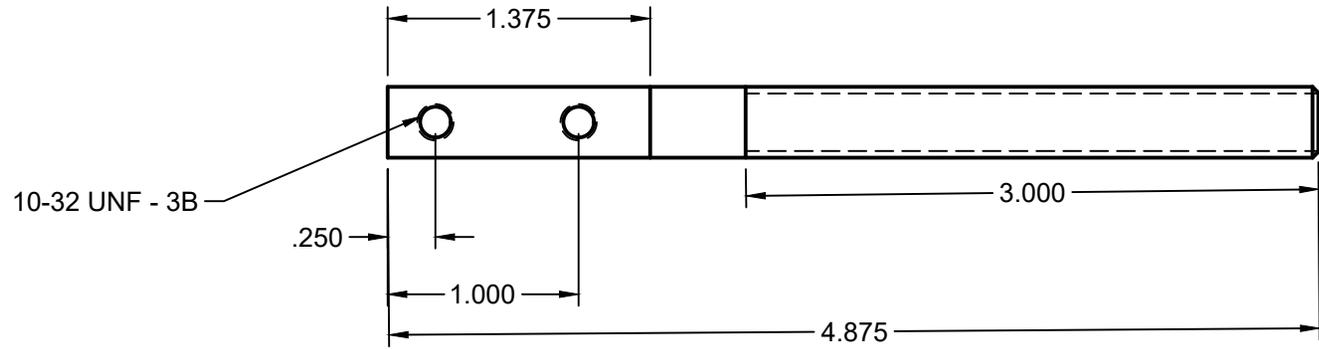
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Project details found at [https://projects.sare.org/sare\\_project/fne19-945/](https://projects.sare.org/sare_project/fne19-945/)

Material: 1018 CF Steel

Number Required: 1

Process Notes:



Revision Record

Date

Tolerances

Date:

9/22/2022

Part Number:

FG7

(except as noted)  
Decimals:  
+/- .005 except where noted  
Fractional:  
+/-  $\frac{1}{32}$   
Angular:  
+/- 1°

Scale:

1:1

Title:

Adjustment Rod

Drawn By:

NIT

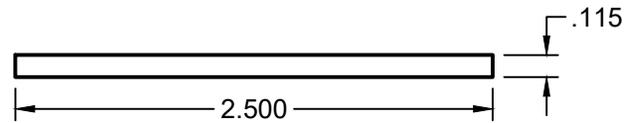
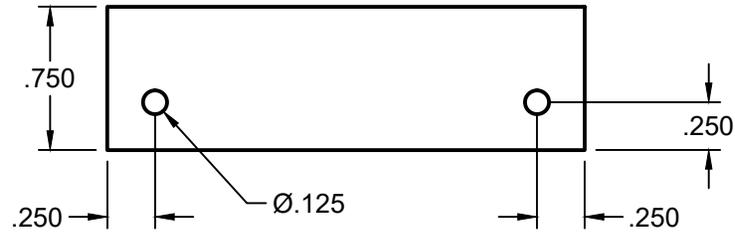
Project Name:

Pearling Machine

Material: 1/8x 3/4 steel bar

Number Required: 2

Process Notes:

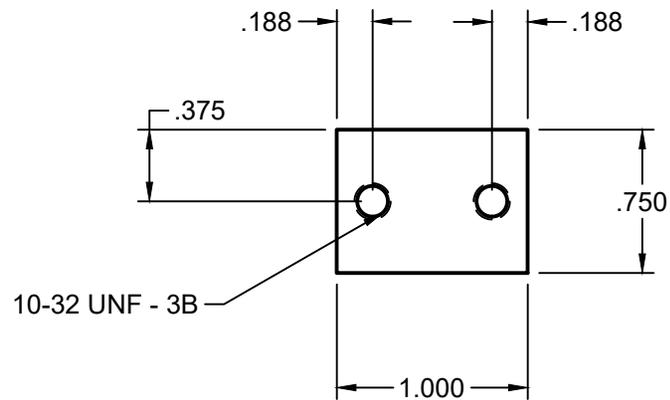
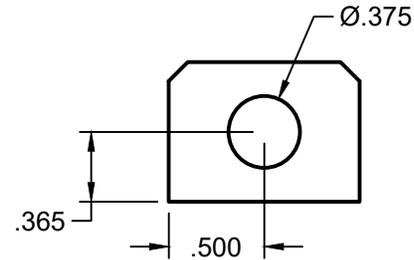
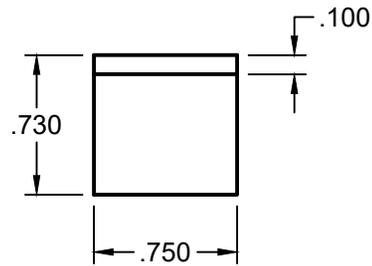


Revision Record	Date	Tolerances	Date:	Part Number:
		(except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	9/21/2022	FG2
			Scale: 1:1	Title: Center Filler
			Drawn By: NIT	Project Name: Pearling Machine

Material: 1" x 3/4" steel bar

Number Required: 1

Process Notes:



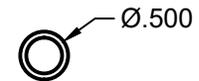
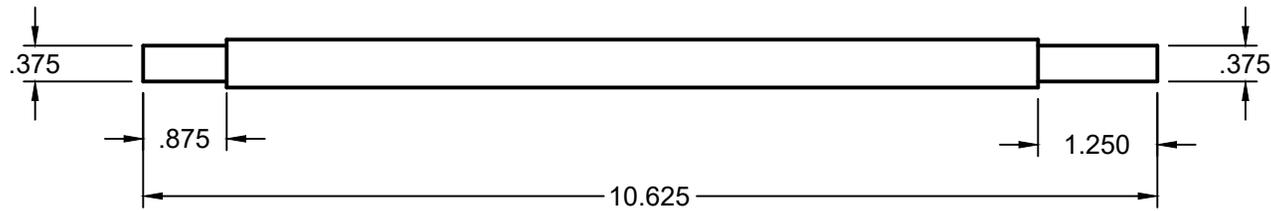
10-32 UNF - 3B

Revision Record	Date	Tolerances	Date:	Part Number:
		(except as noted) Decimals: +/- .005 except where noted Fractional: +/- $\frac{1}{32}$ Angular: +/- 1°	9/22/2022	FG12
			Scale: 1:1	Title: Control Rod Bushing
			Drawn By: NIT	Project Name: Pearling Machine

Material: 1/2 Dia CF Rod

Number Required: 1

Process Notes:

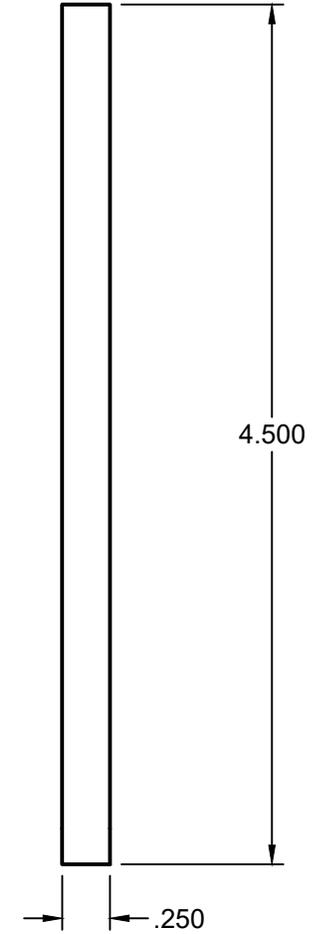
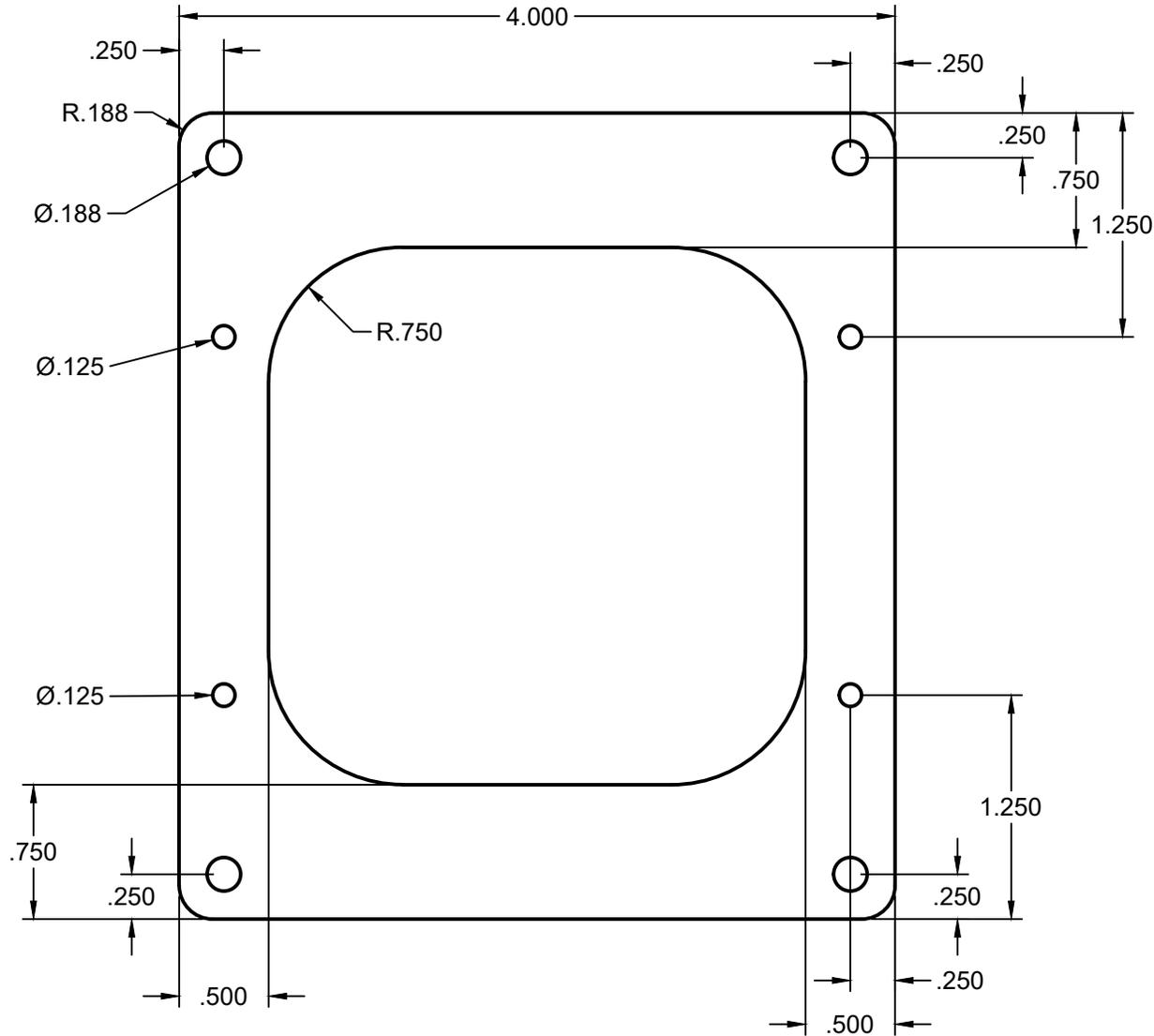


Revision Record	Date	Tolerances	Date:	Part Number:
		(except as noted) Decimals: +/- .005 except where noted Fractional: +/- $\frac{1}{32}$ Angular: +/- 1°	9/22/2022	FG11
			Scale: 1:2	Title: Control Rod
			Drawn By: NIT	Project Name: Pearling Machine

Material: 1/4 x 4 steel bar

Number Required: 1

Process Notes:

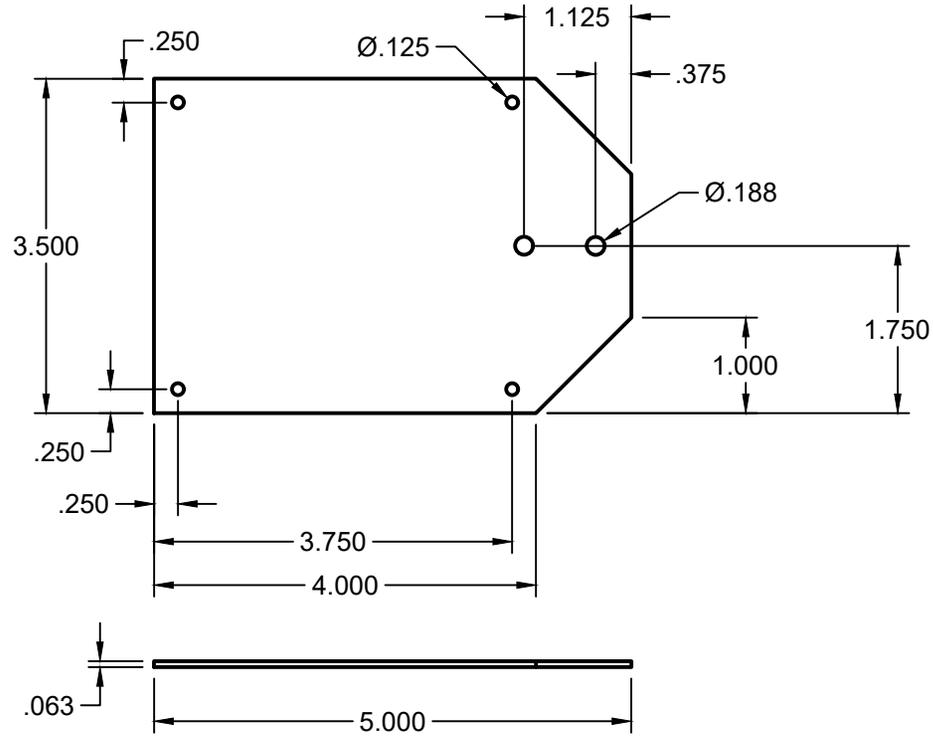


Revision Record	Date	Tolerances	Date:	Part Number:
		(except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/16 Angular: +/- 1°	9/21/2022	FG1
			Scale: 1:1	Title: Feed Gate Base
			Drawn By: NIT	Project Name: Pearling Machine

Material: 16 ga Steel

Number Required:

Process Notes:



Revision Record

Date

Tolerances

Date:

9/21/2022

Part Number:

FG5

(except as noted)  
Decimals:  
+/- .005 except where noted  
Fractional:  
+/-  $\frac{1}{32}$   
Angular:  
+/- 1°

Scale:

1:1

Title:

Gate

Drawn By:

NIT

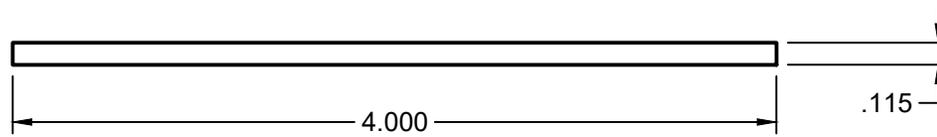
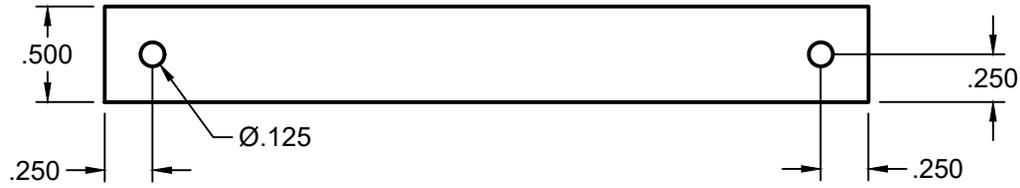
Project Name:

Pearling Machine

Material: 1/8 x 1/2 Steel Bar

Number Required: 2

Process Notes:

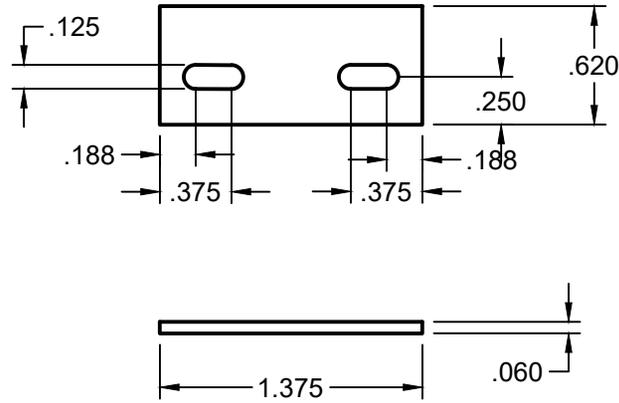


Revision Record	Date	Tolerances	Date:	Part Number:
		(except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32" Angular: +/- 1°	9/21/2022	FG4
			Scale: 1:1	Title: Gate Guide Plate
			Drawn By: NIT	Project Name: Pearling Machine

Material: 16ga 304 Stainless

Number Required: 1

Process Notes:

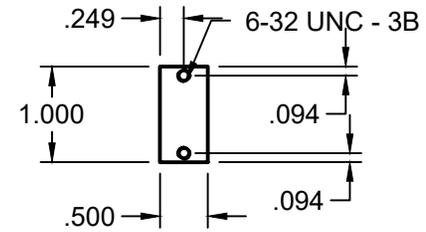
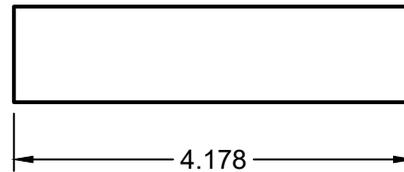
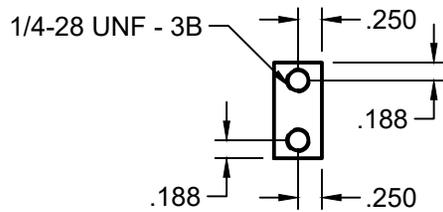


Revision Record	Date	Tolerances	Date:	Part Number:
		(except as noted) Decimals: +/- .005 except where noted Fractional: +/- $\frac{1}{32}$ Angular: +/- 1°	9/23/2022	FG15
			Scale: 1:1	Title: Pointer
			Drawn By: NIT	Project Name: Pearling Machine

Material: 1/2 x 1" CF 1018

Number Required: 1

Process Notes:

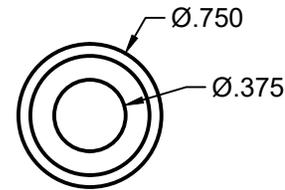
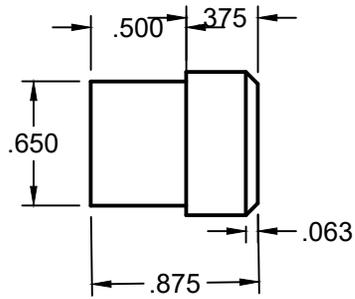


Revision Record	Date	Tolerances <small>(except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/32 Angular: +/- 1°</small>	Date: 9/23/2022	Part Number: FG14
			Scale: 1:2	Title: Pointer Holder
			Drawn By: NIT	Project Name: Pearling Machine

Material: 3/4 1018 CF Steel

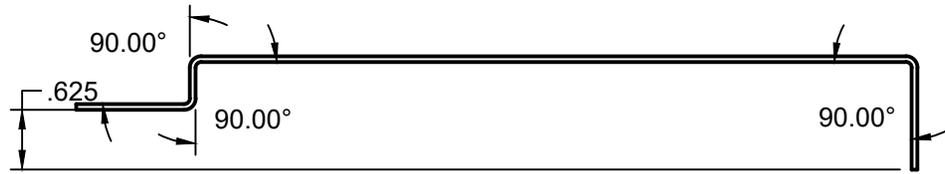
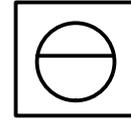
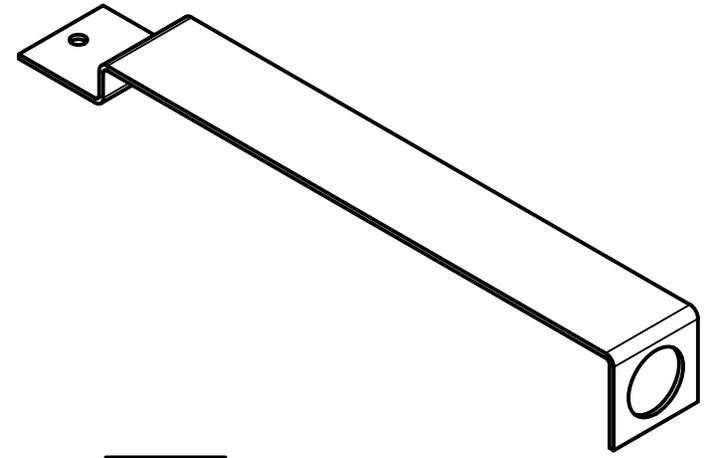
Number Required: 1

Process Notes:



Revision Record	Date	Tolerances	Date:	Part Number:
		(except as noted) Decimals: +/- .005 except where noted Fractional: +/- $\frac{1}{32}$ Angular: +/- 1°	9/22/2022	FG10
			Scale: 1:1	Title: Rod Adapter
			Drawn By: NIT	Project Name: Pearling Machine

Material: FG13      Number Required: 1      Process Notes:

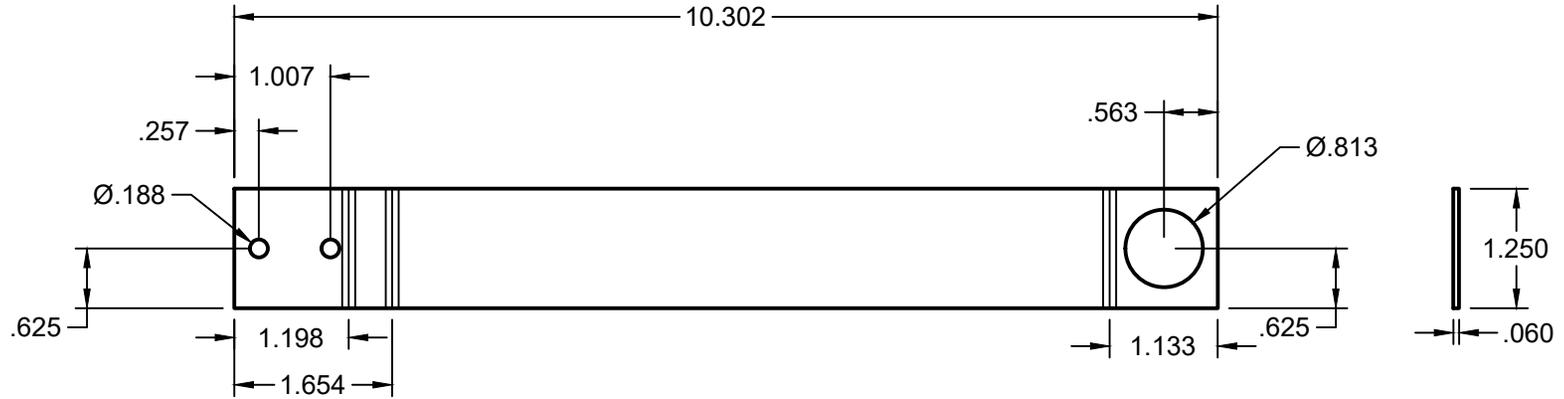


Revision Record	Date	<b>Tolerances</b> <small>(except as noted)</small> Decimals: +/- .005 except where noted Fractional: +/- $\frac{1}{32}$ Angular: +/- 1°	Date: 9/23/2022	Part Number: FG13A
			Scale: 1:2	Title: Scale Bar Bent
			Drawn By: NIT	Project Name: Pearling Machine

Material: 16ga 304 Stainless

Number Required: 1

Process Notes:



Revision Record

Date

Tolerances

(except as noted)  
Decimals:  
+/- .005 except where noted  
Fractional:  
+/-  $\frac{1}{32}$   
Angular:  
+/- 1°

Date:

9/23/2022

Part Number:

FG13

Scale:

1:2

Title:

Scale Bar

Drawn By:

NIT

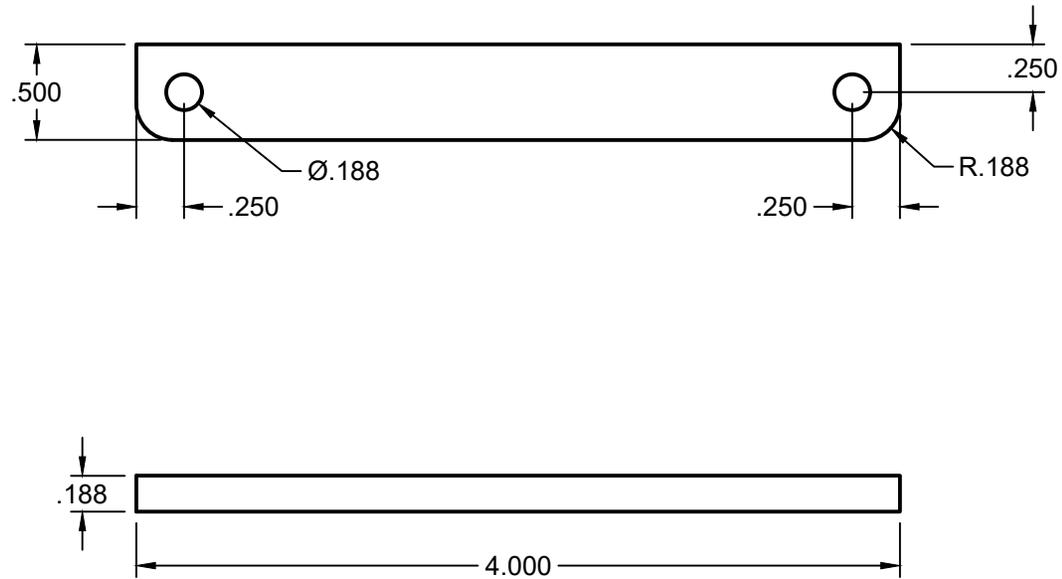
Project Name:

Pearling Machine

Material: 3/16 x 1/2 CF 1018

Number Required: 2

Process Notes:

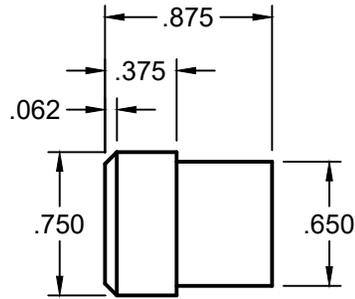
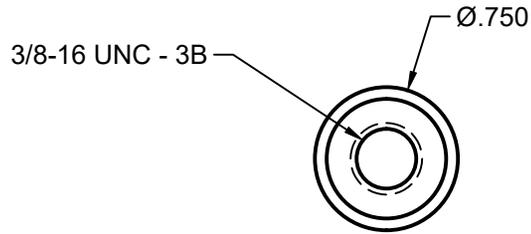


Revision Record	Date	Tolerances	Date:	Part Number:
		(except as noted) Decimals: +/- .005 except where noted Fractional: +/- $\frac{1}{32}$ Angular: +/- 1°	9/21/2022	FG3
			Scale: 1:1	Title: Spacer Plate
			Drawn By: NIT	Project Name: Pearling Machine

Material: 3/4 1018 CF Steel

Number Required: 1

Process Notes:



Revision Record

Date

Tolerances

(except as noted)  
Decimals:  
+/- .005 except where noted  
Fractional:  
+/-  $\frac{1}{32}$   
Angular:  
+/- 1°

Date: 9/22/2022

Part Number: FG8

Scale: 1:1

Title: Threaded Insert

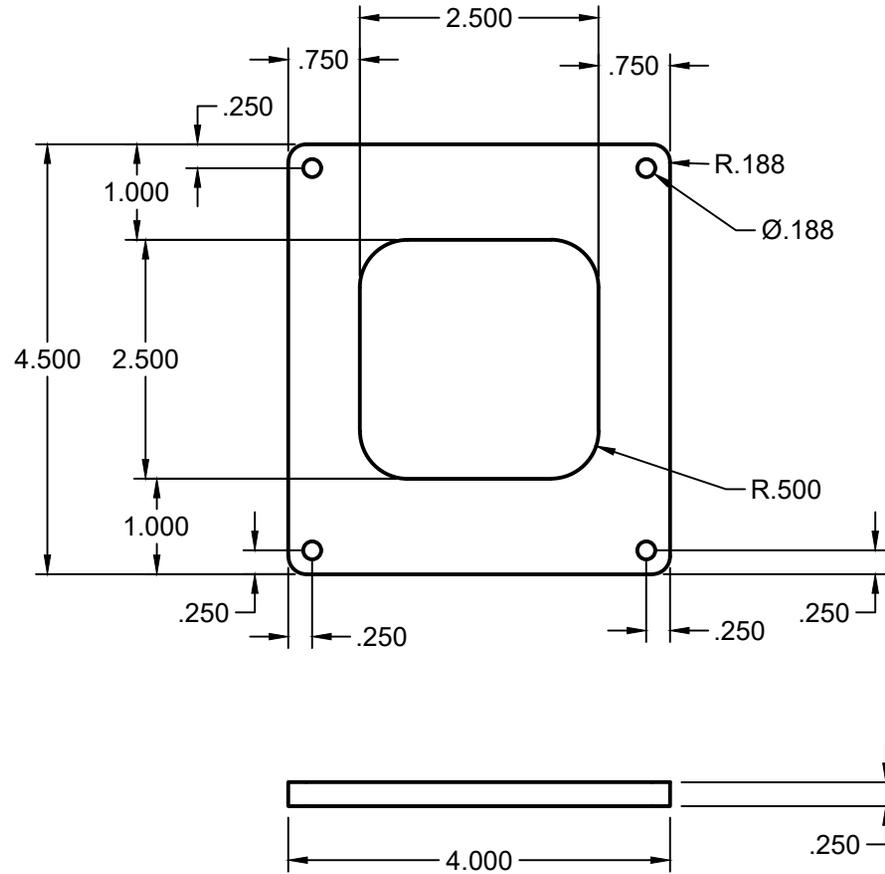
Drawn By: NIT

Project Name: Pearling Machine

Material: 1/4 x 4 steel bar

Number Required: 1

Process Notes:



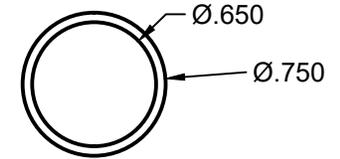
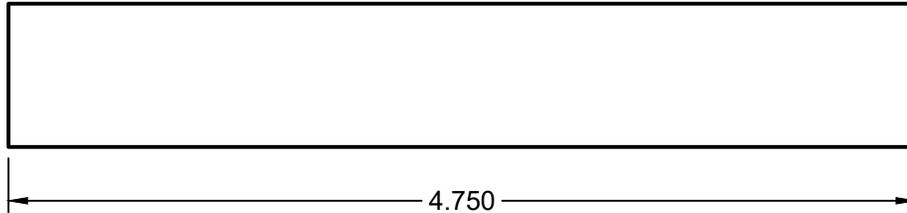
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		(except as noted) Decimals: +/- .005 except where noted Fractional: +/- 1/16" Angular: +/- 1°	9/21/2022	FG6
			Scale: 1:2	Title: Top Plate
			Drawn By: NIT	Project Name: Pearling Machine



Material: .750 OD x .050 wall tube

Number Required: 1

Process Notes:



Revision Record

Date

Tolerances

Date:

9/22/2022

Part Number:

FG9

(except as noted)  
 Decimals:  
 +/- .005 except where noted  
 Fractional:  
 +/-  $\frac{1}{32}$   
 Angular:  
 +/- 1°

Scale:

1:1

Title:

Tube

Drawn By:

NIT

Project Name:

Pearling Machine

