

1-



Figure 1: 3D printed foot



Figure 2: Two PVC pipes



Figure 3: Two Aluminum pipes



Figure 4: Clamp

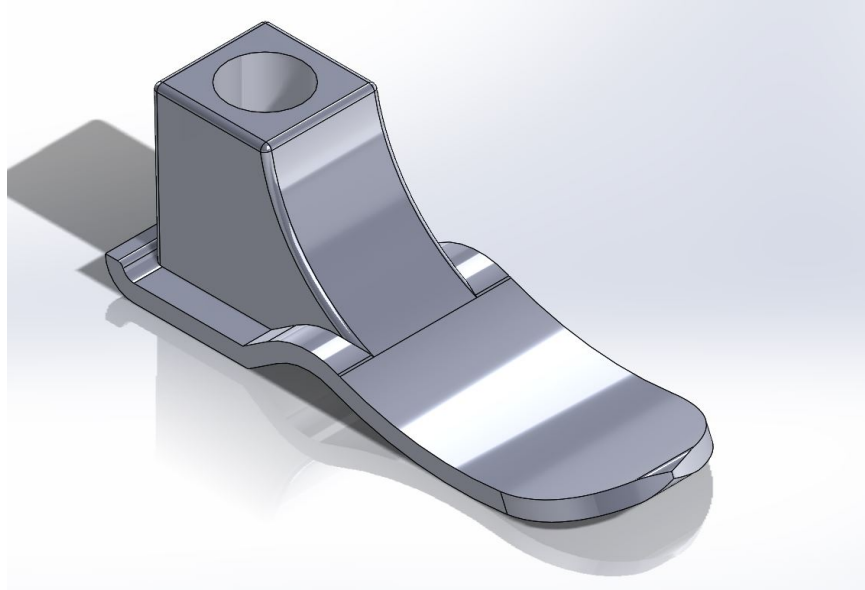


Figure 5: Foot in CAD

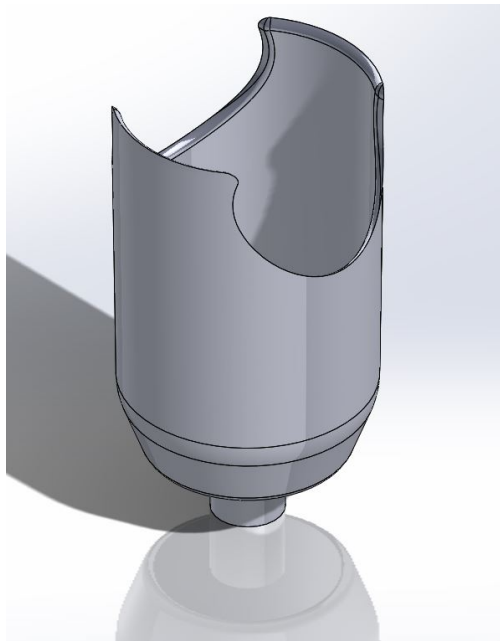


Figure 6: Supporting Channel in CAD

2/22/2019

NAU Mail - MakerLab Print Job Cost Estimate



Ali Abdullah <aja485@nau.edu>

### MakerLab Print Job Cost Estimate

1 message

Library.MakerLab@nau.edu <Library.MakerLab@nau.edu>  
To: aja485@nau.edu

Wed, Feb 20, 2019 at 7:27 PM

Hello Ali,

We're ready to print your 3D model.  
test1 STL  
Your 3D model will consume 950.77 grams of filament and will cost \$95.08. We'll start your 3D print request as soon as we hear back from you.

Yes, I approve this print job  
No, please cancel this print job

Turnaround time for 3D prints can vary widely. We'll send you an email when your 3D model is ready to pick up.

If we don't hear back from you in 5 days, your request will be cancelled.

Thank You,

Library MakerLab Staff  
Library Technology Services  
Questions? Ask us!  
Cline Library MakerLab  
(928) 523-6820  
Library.MakerLab@nau.edu

Figure 7: Order confirmation of the supporting channel to be 3D printed

**INVOICE** Order # **1056085609**

SHIP TO	PAYMENT	AMOUNT	ORDER TOTAL
<b>Abdulwahab Zaidan</b> 997 E Pine Knoll Dr Apt. 714 Bldg 7 FLAGSTAFF, AZ 86001, US 9704880383	VISA ****1443	\$13.45	<b>Subtotal: \$9.95</b> Shipping: \$3.50 Sales Tax: \$0.00 <b>Total: \$13.45</b>

**Order Details**  
Tracking information will be emailed as soon as the orders ship.

SHIPPING WITH SUPER SAVER FROM B&H	STOCK	PRICE	QTY	SUBTOTAL
Global Truss Mini 360 Light Duty Quick Release Clamp for 2 Pipes (Black)	In Stock	9.95	1	9.95

ORDER PLACED Thu, Feb 14

PACKED

SHIPPED

Estimated Delivery

**Accessories for your**

- Global Truss Mini 360 Light Duty Quick Release Clamp for 2 Pipes (Black) - \$13.45
- ClineBapp CB-01A Production Bag (Black and Gray with Orange Webbing) - 34 reviews - \$236.55

Figure 8: Order confirmation of the clamp



Figure 9: Clamp

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- CQL Valve (Screw for releasing the air)
- The newest design of foot
- Foot shell
- Liner

5-

1. Abdulwahab Zaidan: Is responsible for ordering the clamps and aluminum pipes. Helping Omar with cutting the aluminum pipes and PVC pipes. Being in contact with Jenn for any missing information.
2. Ali Abdullah: Is responsible for designing the foot in CAD and ordering the foot to be 3D printed. Redesigning the foot again. Helping Salman with designing the supporting channel in CAD
3. Salman Malallah: Is responsible for designing the supporting channel in CAD. Ordering the supporting channel to be 3D printed and redesigning it again. Helping Ali with designing the foot in CAD. Going with Abdulwahab for meeting with Jenn
4. Omar Alajmi: Is responsible for buying the PVC pipes, glue and screw for the pipes. Cutting and drilling the holes for the PVC pipes and aluminum pipes with the help of Abdulwahab.