



# HAFTWORKS

## Coupler

A new solution for portable tools





## 1. Problem

Long handled tools are difficult to transport due to their **size and weight**

## 2. Guiding Question

How can a product be used to make long handled tools more **portable**?

## 3. Solution

A product that can **integrate** with a stick you find to create a long handled tool wherever you are





- 0 ●
- 5 ●
- 10 ●
- 15 ●
- 20 ●
- 25 ●
- 30 ●
- 35 ●
- 40 ●
- 45 ●
- 50 ●
- 55 ●
- 60 ●
- 65 ●
- 70 ●
- 75 ●
- 80 ●
- 85 ●
- 90 ●
- 95 ●
- 100+ ●



Target Age Range



### Hobby



Hiking

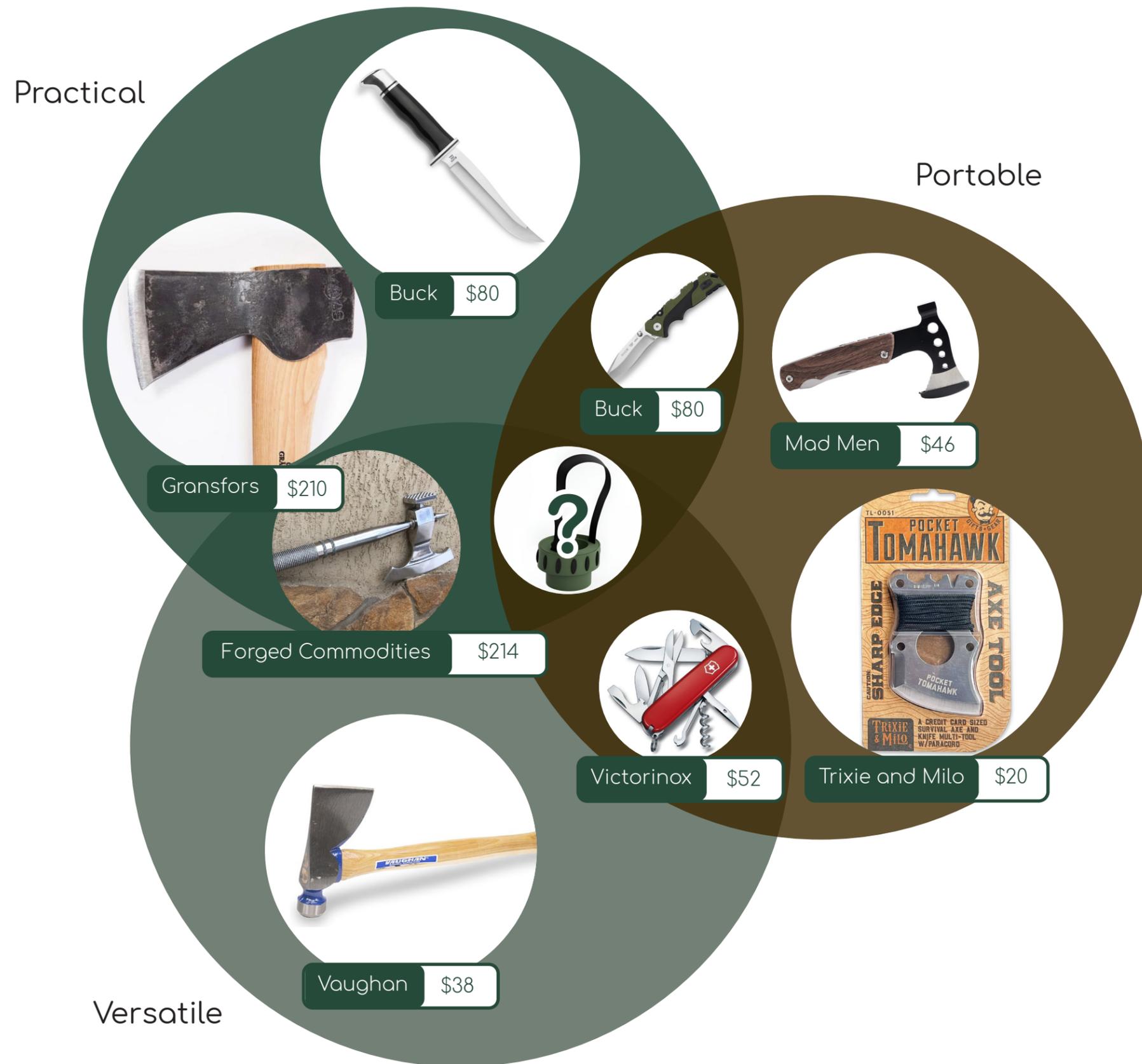
### Personality



Prepared



Resourceful



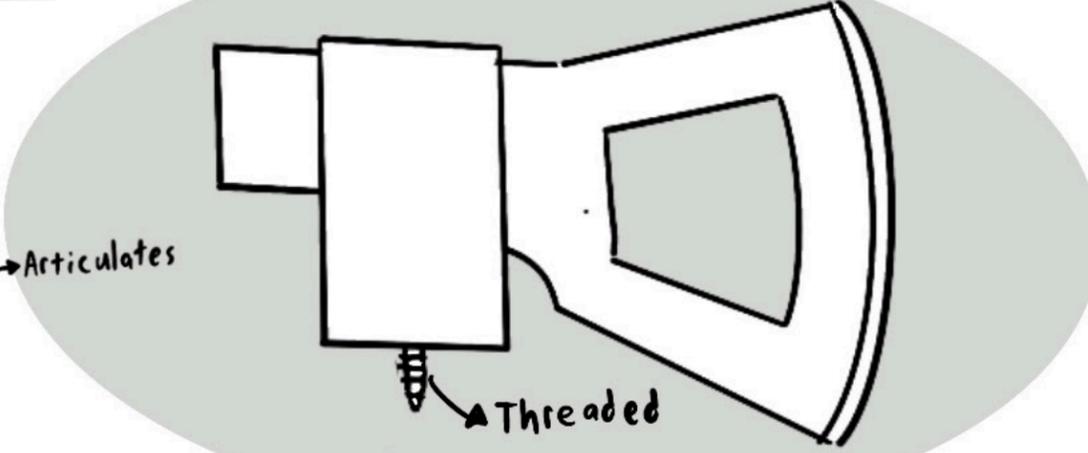
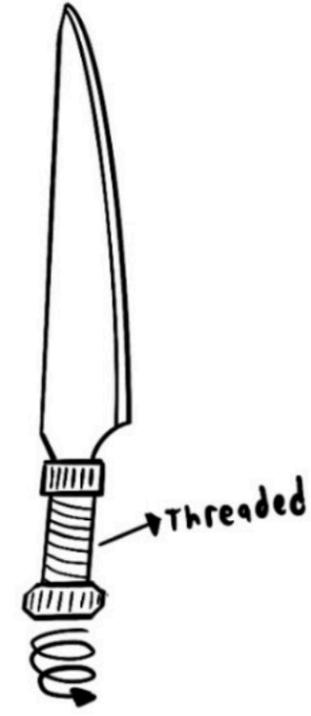
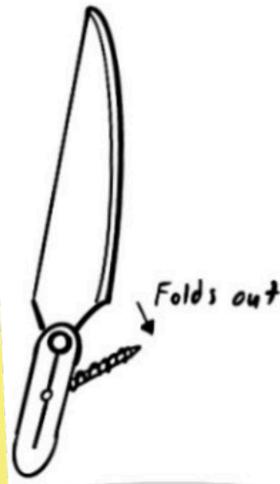
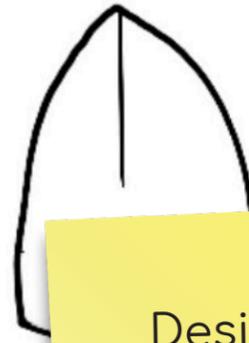
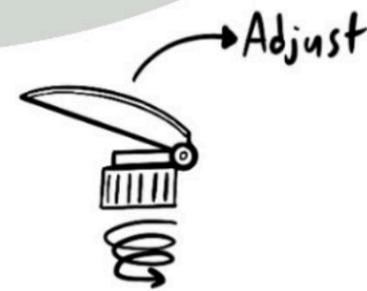
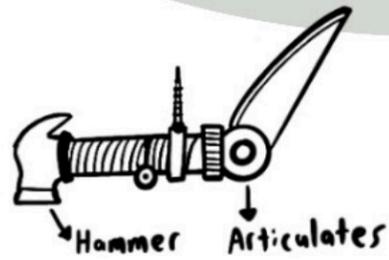
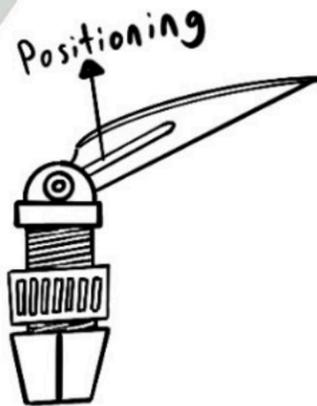
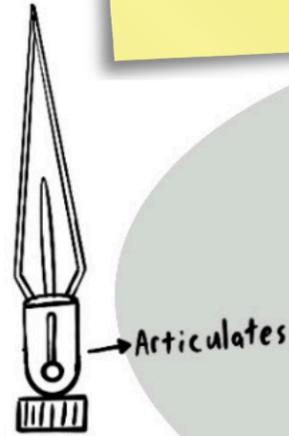
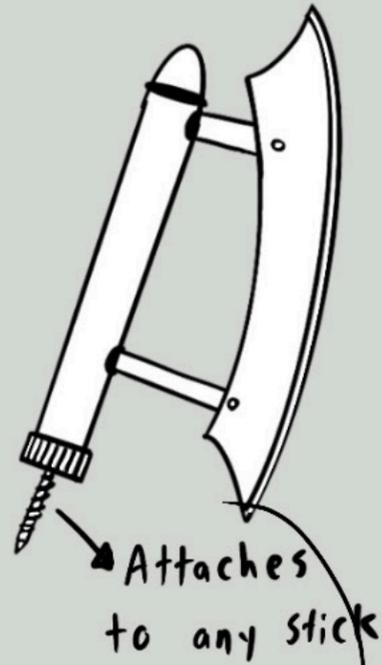
## Market Summary

There are no products on the market that exist in the same place as my proposed product

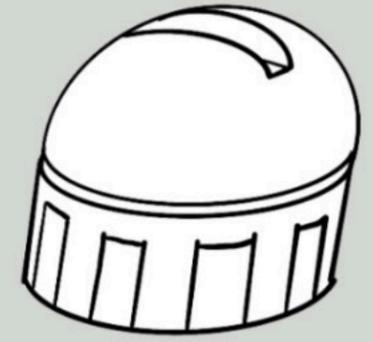
Design could be able to screw into stick

Design could be minimalistic

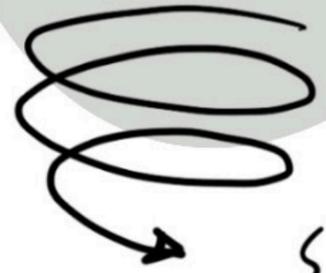
Design could draw inspiration from existing solutions



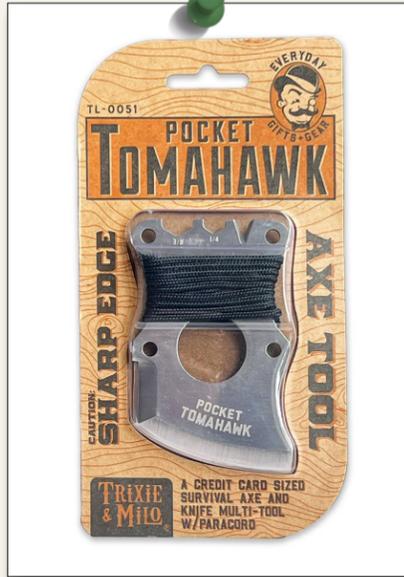
Large X-acto



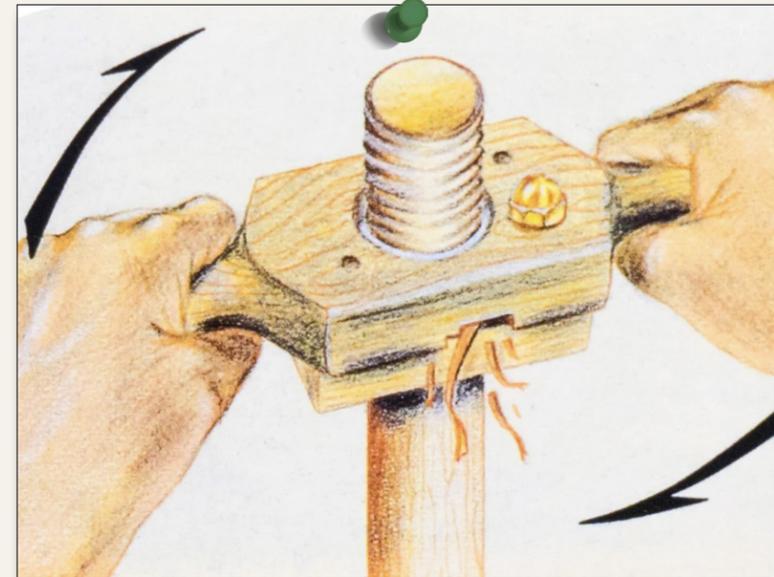
Screws onto stick



## Existing Products



## Concept Precedents



Existing products are weak, niche and limited

How can these concepts be leveraged for this product?

# The design of this product should be...

## Functional

Design should function as intended

## Unique

Offer a benefit compared to existing products

## Versatile

Products in this area that are too **niche** often fail.

## Durable

Able to withstand impacts and weathering

## Intuitive

Not overly difficult to understand and use

## Portable

**Lightweight** and easily carried or transported

## Better

Attach to a stick **better** than similar existing products

## Compatible

Design should be compatible with a variety of sticks

## Marketable

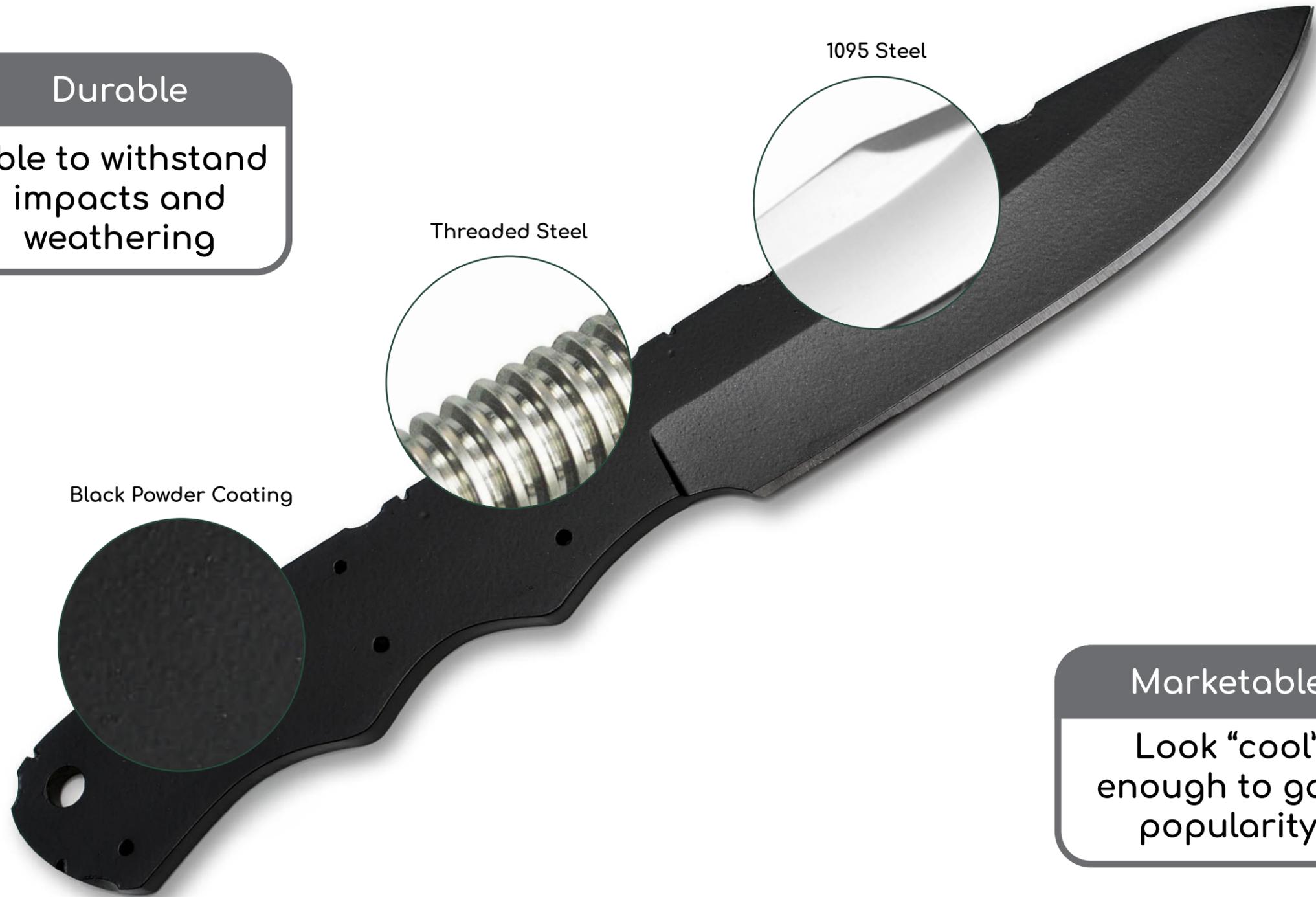
Look “cool” enough to gain popularity

## Affordable

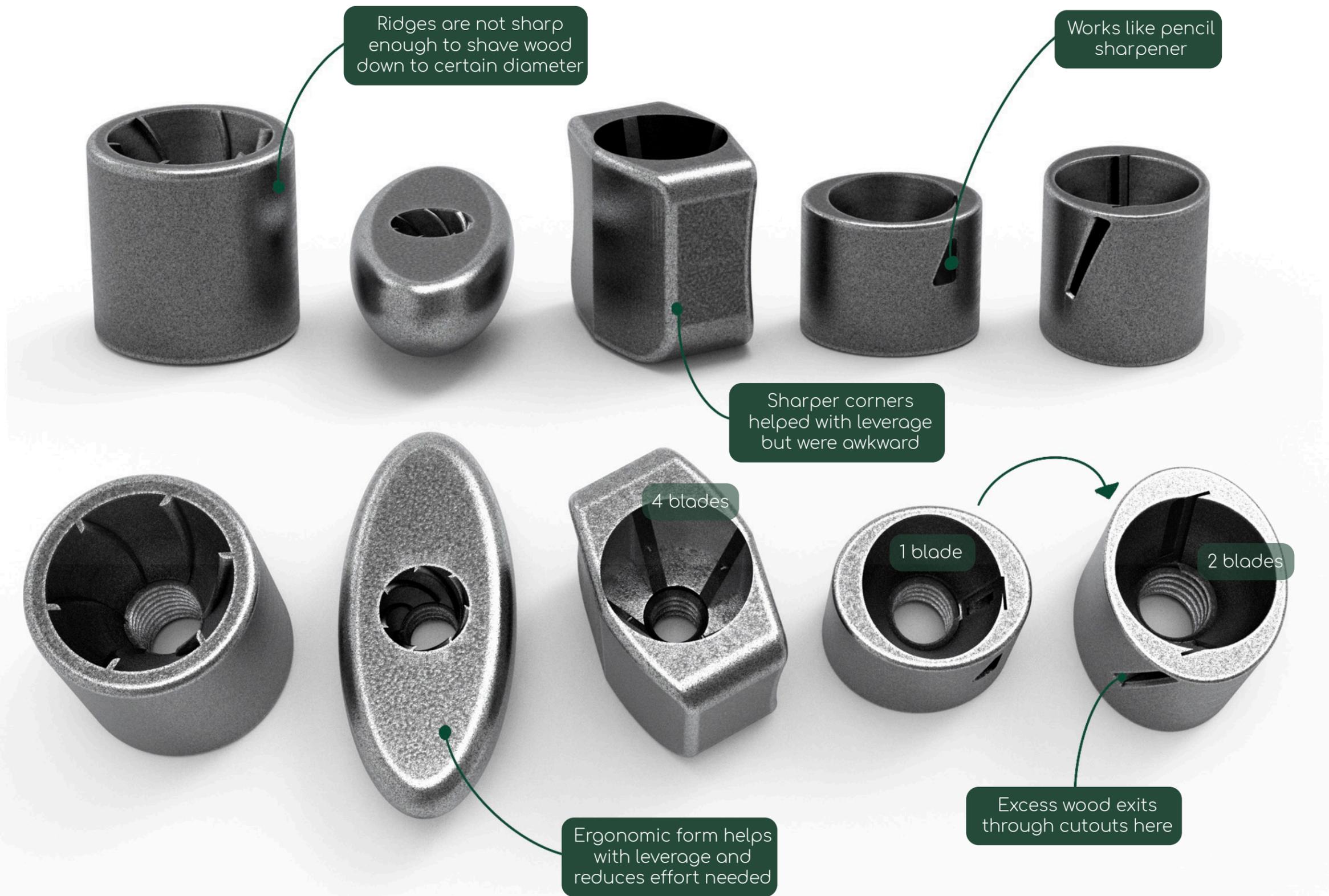
Worth the price compared to existing tools

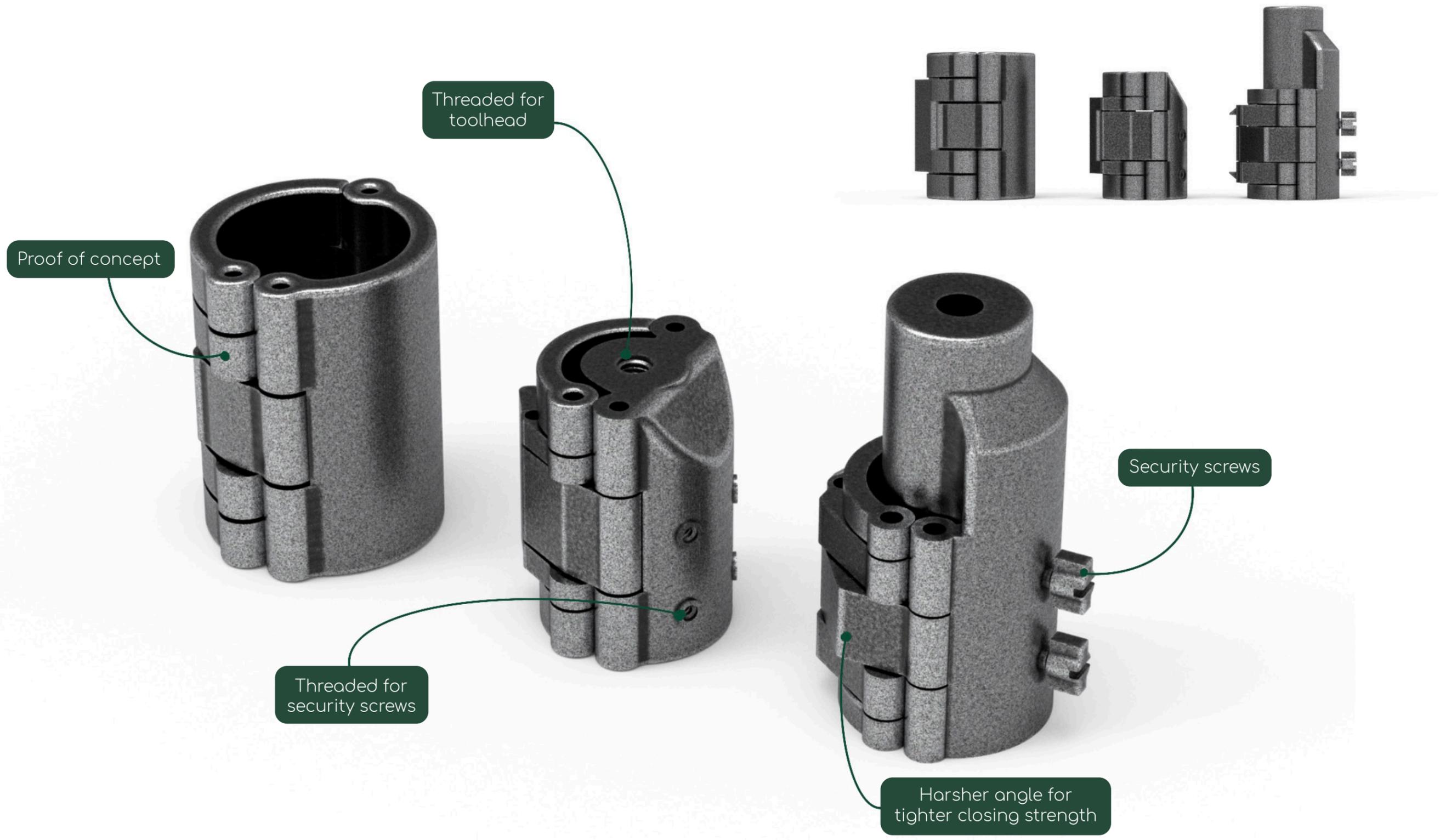
- Highlighted
- CMF Related
- Explained

**Durable**  
Able to withstand impacts and weathering



**Marketable**  
Look "cool" enough to gain popularity







# HAFTWORKS

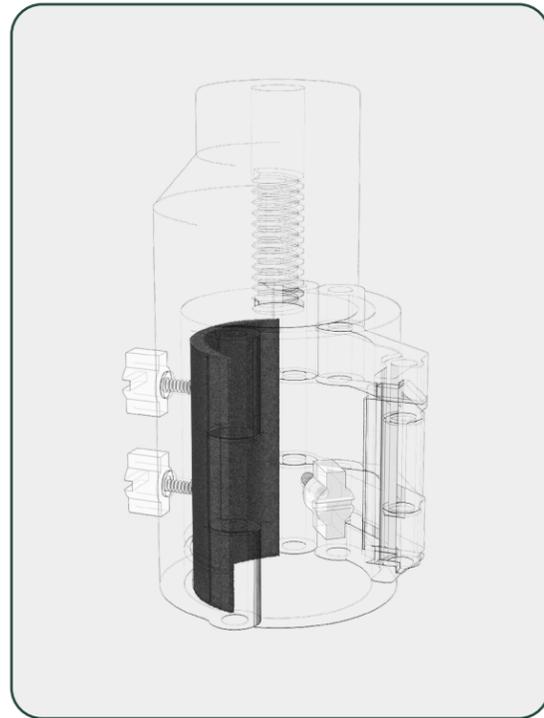
## Coupler

### Component Overview



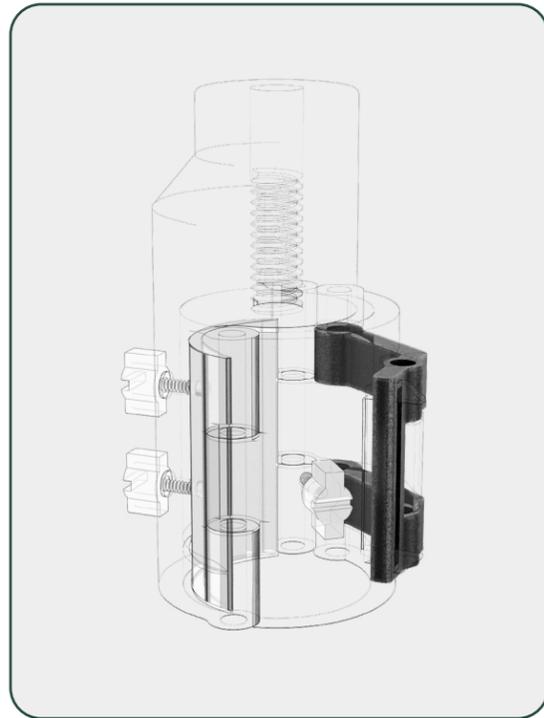
#### Security Screws

3 winged screws with flathead cutout. Tightens into stick to secure coupler in place.



#### EVA Foam

Foam conforms to the shape of the stick for a secure grip. Water resistant and retains shape.



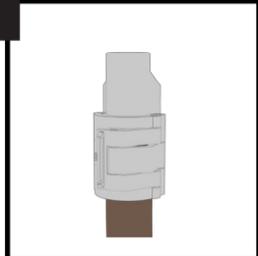
#### Coupler Arm

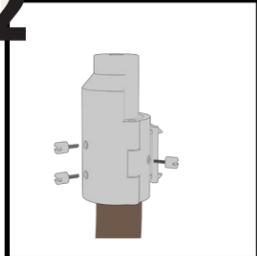
Latches to body to close firmly around the stick. Applies consistent pressure so screws can be driven.

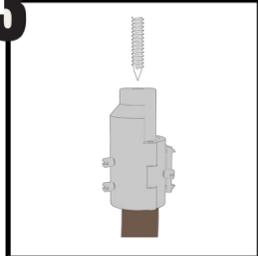




**Instructions**

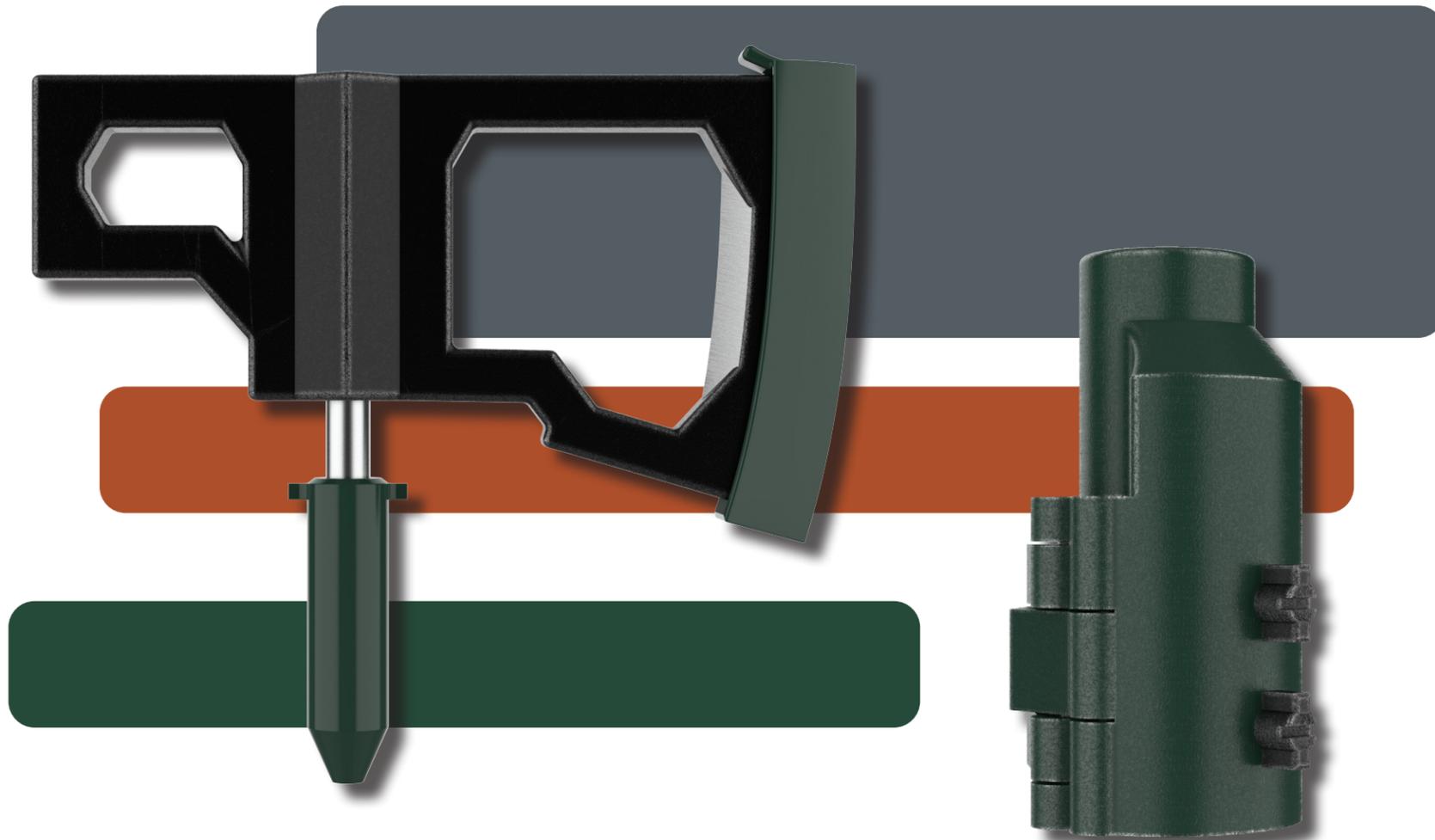
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1 Close latch on end of stick
- 

2 Tighten side screws into stick
- 

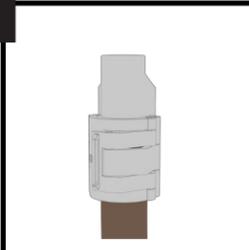
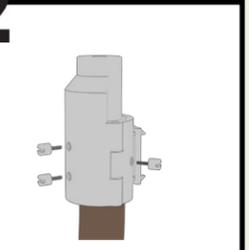
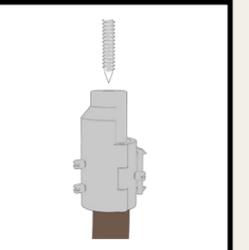
3 Drive toolhead into the top





**HAFTWORKS**  
Coupler Manual

**Instructions**

-   
Close latch on end of stick
-   
Tighten side screws into stick
-   
Drive toolhead into the top

**Wood Types**

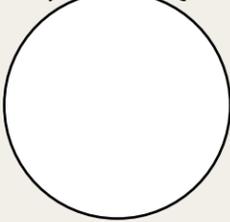
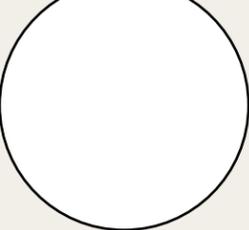
**WET**  **DRY** 

**Ideal Range** 

**Ideal Woods:**

- Ash 
- Beech 
- Birch 

**Sizing**

Minimum  Ideal Size  Maximum 



**HAFTWORKS**



A new solution for portable tools

Any long handled tool is now **effortlessly** portable with the haftworks coupler

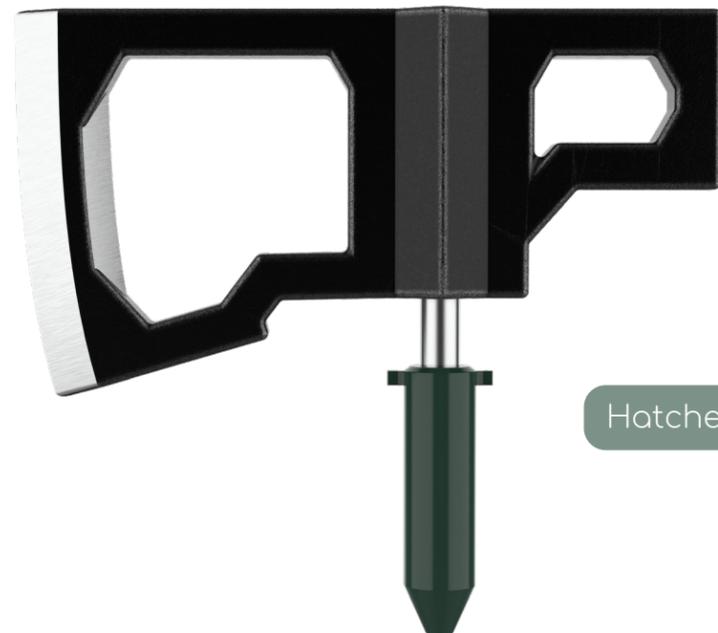
Shovel



Sledgehammer



Hatchet



Axe



More coming soon



**Haft Green**  
# 264C3B

**Forge Gray**  
# 2C2C2C

**Rust Orange**  
# C1541E

**Bone White**  
# F5F2EB

**Gunmetal**  
# 555D64





**HAFTWORKS**





The image features a black cylindrical object on the left and a grey plastic bracket on the right, both set against a background of grass and a tree trunk. The black cylinder has two small, dark, cross-shaped protrusions on its side. The grey bracket has two rectangular cutouts and is positioned as if it might be attached to the cylinder or another object. A dark green banner with white text is overlaid in the center.

**Questions and Feedback?**