

March 2024



**SPEED3D**

## **Digitised Manufacturing**

Calum Stewart

# Enabling Artisan Manufacturing

- Founded in Australia in 2016, SPEE3D is transforming modern metal manufacturing – making it easier to make metal
- We are committed to providing all the necessary elements to support our customers in the field – including **software, training, and advanced research** ensuring militaries can deploy artisan manufacturers to Theatre
- **More kit, in the fight, more of the time**



Picture c/o REME website



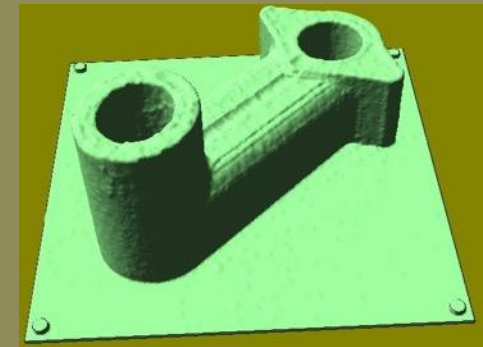
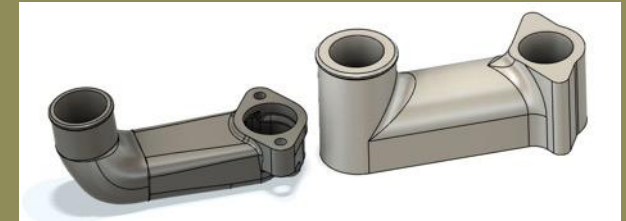
# Defense Applications

**M113 Water**

**Pipe Defense  
Repair Part**

The M113 water pipe is printed and machined.

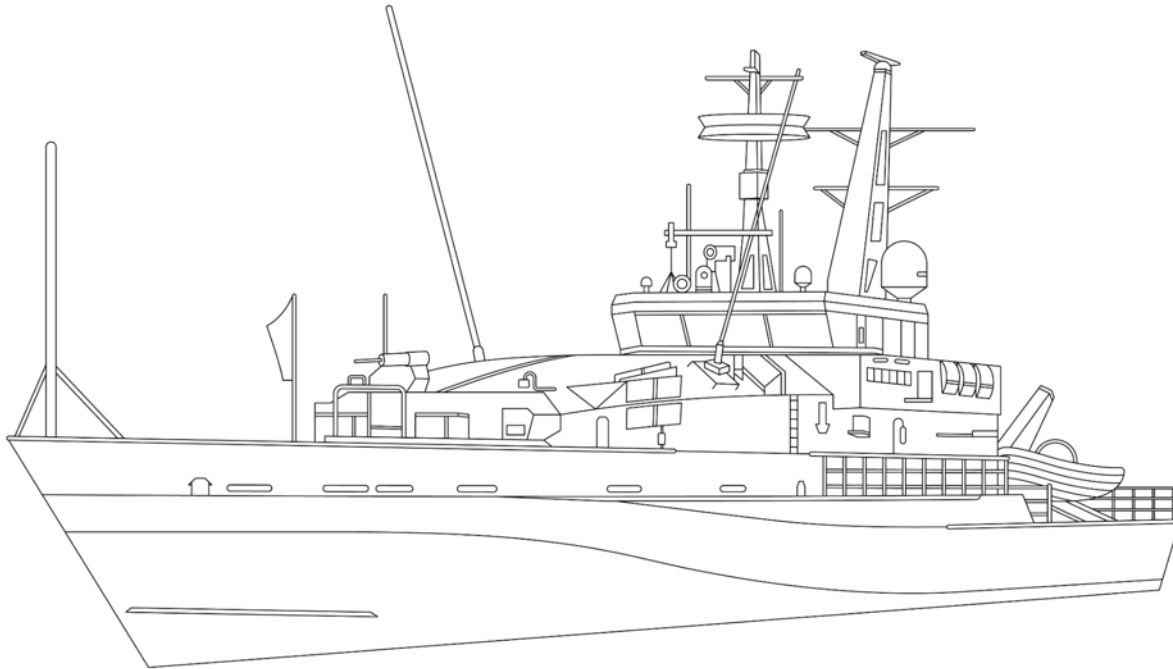
Water pipe application has not been shared with SPEE3D



**Print Time 180**  
**Minutes Material**  
**Aluminium Weight 3.5**  
**kg**



# Armidale Class Patrol Boat



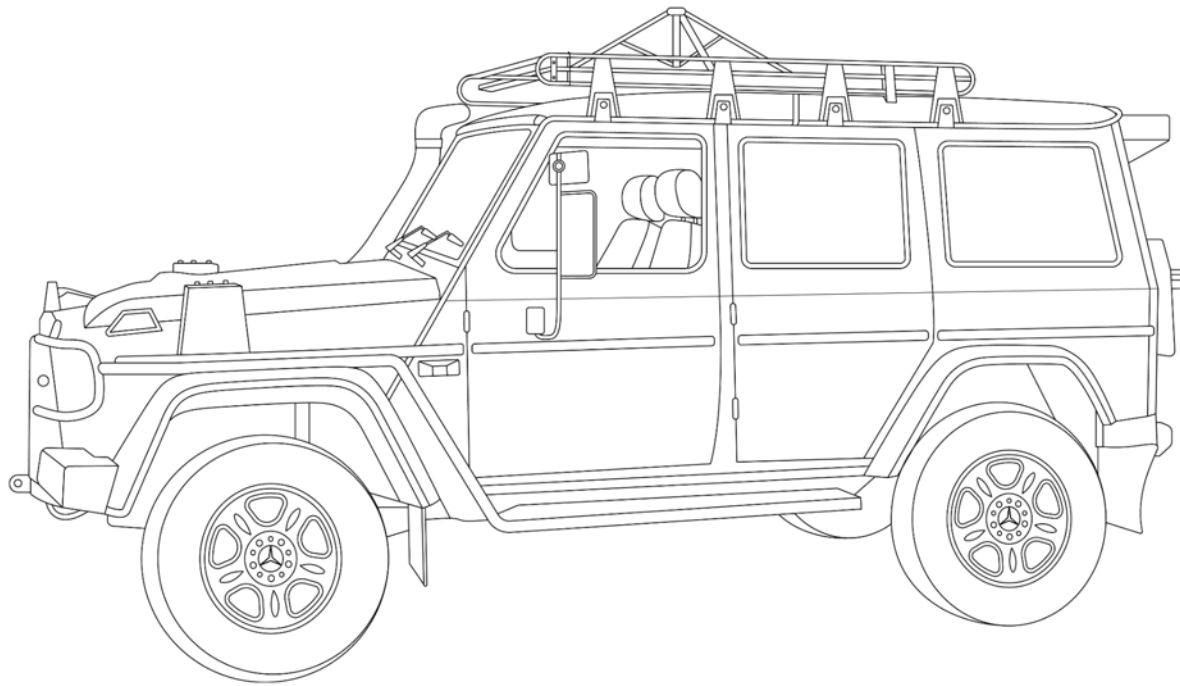
Aluminum 6061  
Type C Camlock  
Fitting



24  
mins  
Time to  
Print

0 .66 kg  
Part  
Weight

# G Wagon



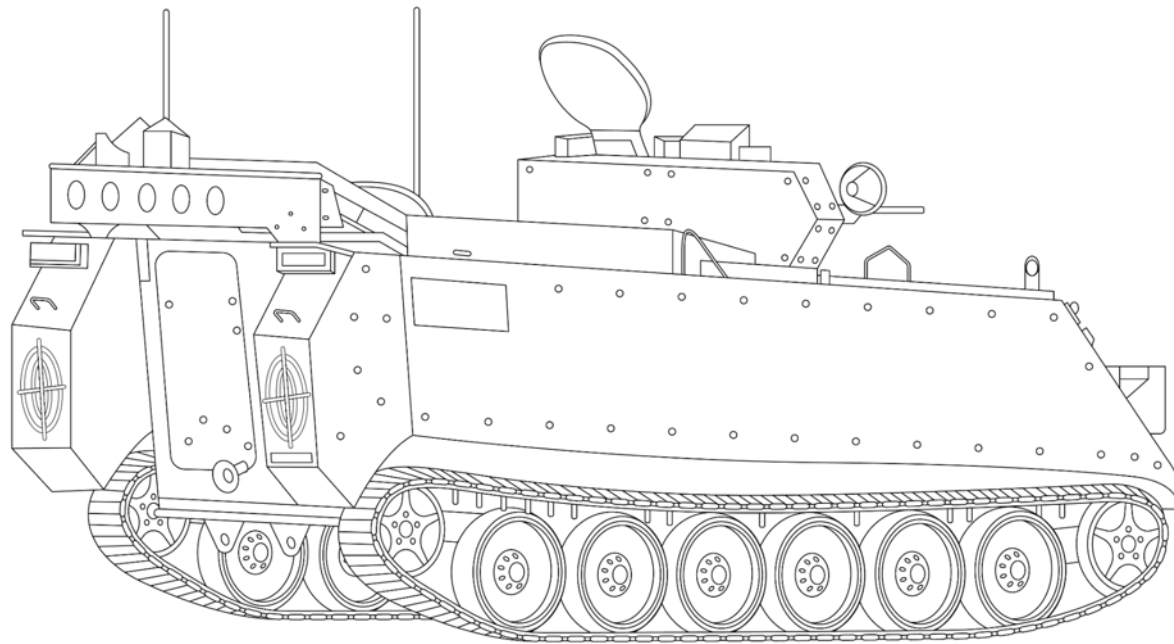
## Aluminum 6061 Automotive Alternator Shield



**2.5  
hours  
Print  
Time**

**3  
kg  
Part  
Weight**

# M113



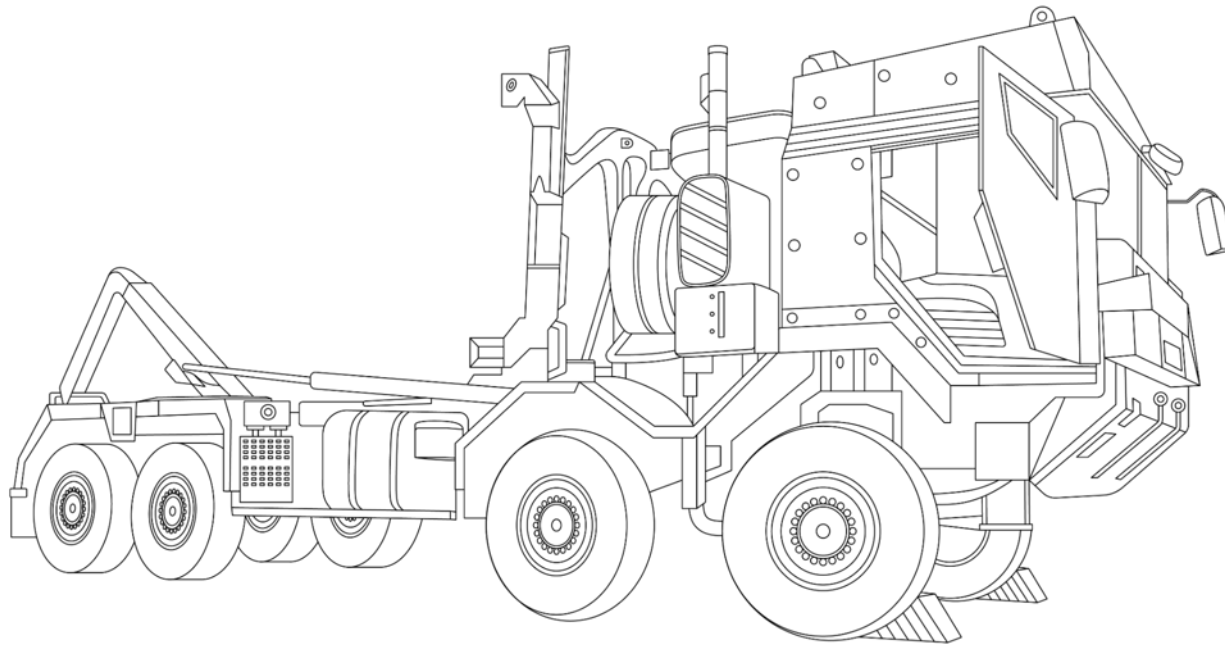
**Aluminum  
Bronze M113  
Exhaust**



**78  
mins  
Print  
Time**

**5.4 kg  
Part  
Weight**

# HX77



## Aluminum Bronze Armour Removal Tool

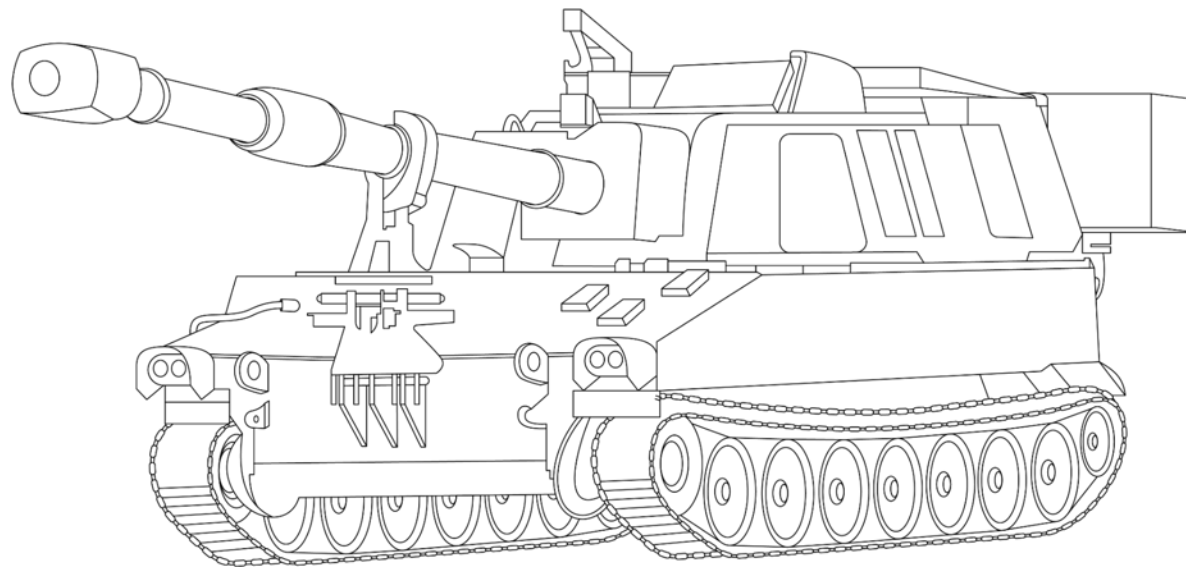


9  
min  
Print  
Time

1.2 kg  
Part  
Weight



# M109 Paladin



Aluminum 6061  
US M109 Paladin Custom  
Tool



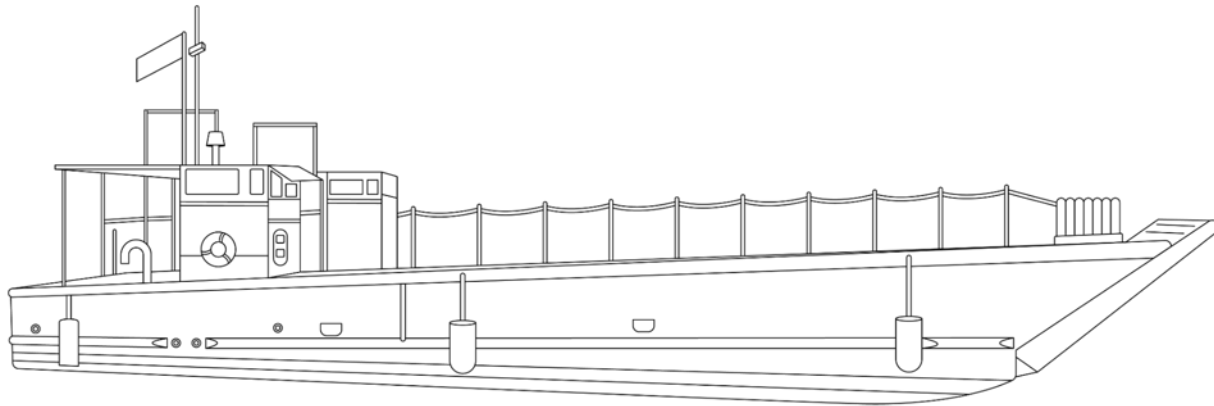
30 min

0.6 kg

Print  
Time

Part  
Weight

# LCM-8



Aluminum  
Bronze Pump  
Housing



83 min

8.3 kg

Print  
Time

Part  
Weight



## 2024 and beyond

- Ex LINOYPER
- Ex TRIDENT WARRIOR
- UKRAINE
- AM VILLAGE
- NAVSEA
- JAPAN

# Sand Casting for Maritime



\*Designed in conjunction with NAVSEA to outperform NAB as per ASTM B505

Nickel  
Aluminium  
Bronze



3.5 hr

3 kg

Print  
Time

Part  
Weight



Questions?

**SPEED3D**

