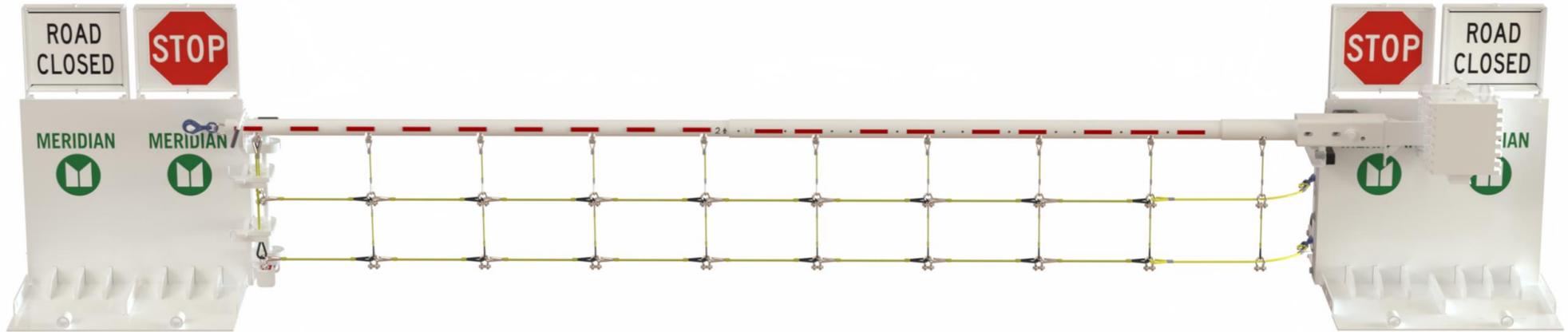


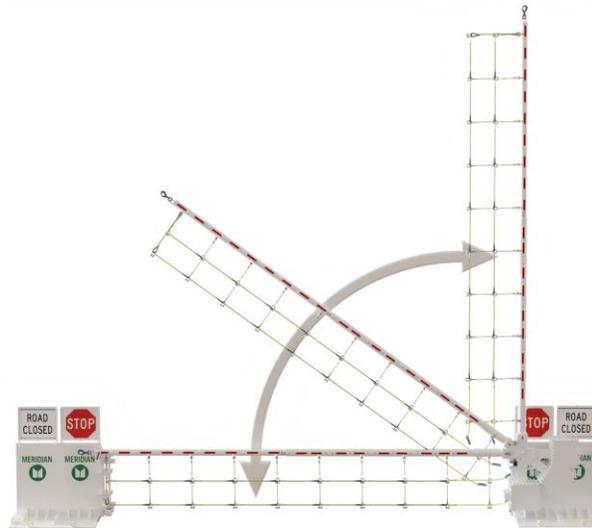
# Archer Beam Gate



## FEATURES

- Expandable to 16 ft., 18 ft., and 20 ft.
- Minutes to assemble
- Ideal for road closures
- Temporary access points
- Crash certified ASTM P3 rating
- One person deployment
- #1 checkpoint gate

## 90 Degree Vertical Rotation



## CRASH TEST

Scan below to see the Beam Gate in action!



WE OFFER RENTAL AND PURCHASING OPTIONS! GIVE US A CALL TO DISCUSS YOUR NEEDS (434) 529-6903



**MERIDIAN**  
RAPID DEFENSE GROUP



# Archer Beam Gate Components

1 - Archer 750 (Pivot Barrier)



1 - Archer 750 (Receiver Barrier)



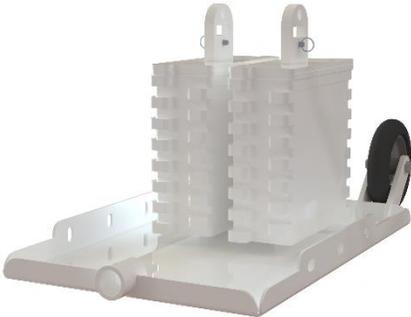
1 - Archer 750 (Storage Barrier)



1 - Archer 750 Barrier



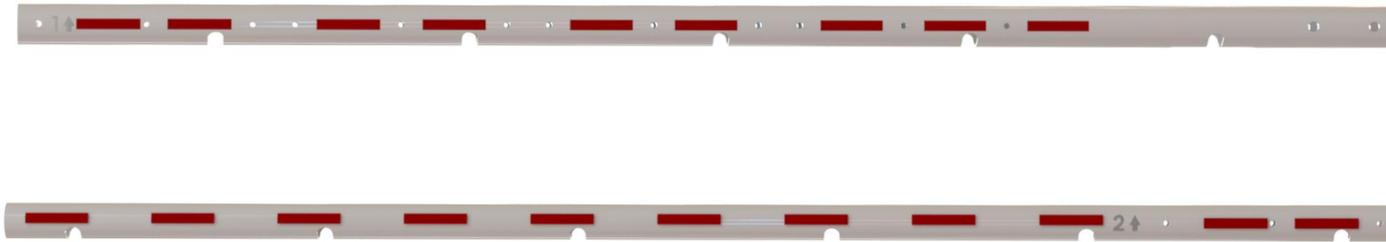
1 - Archer Ingot Cart



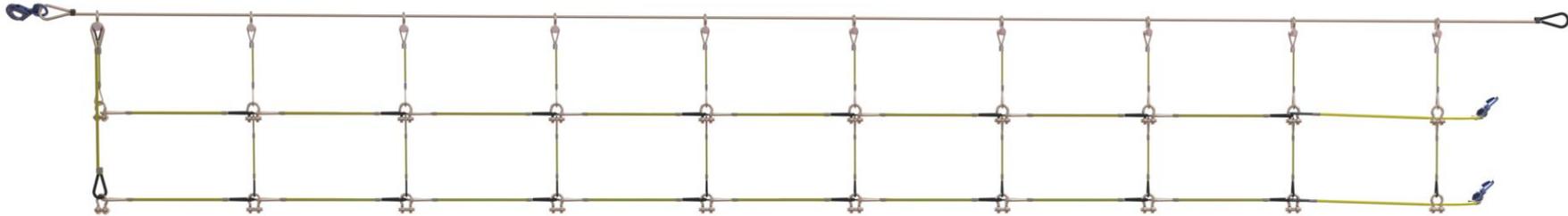
1 - Archer Hauler



1 - Archer Beam 1 & 1 - Archer Beam 2



1 - Archer Beam Gate High Visibility Net



20 ft. Main Cable- 250 in.



18 ft. Main Cable- 220 in.



16 ft. Main Cable- 195 in.



# Archer Beam Gate Specifications

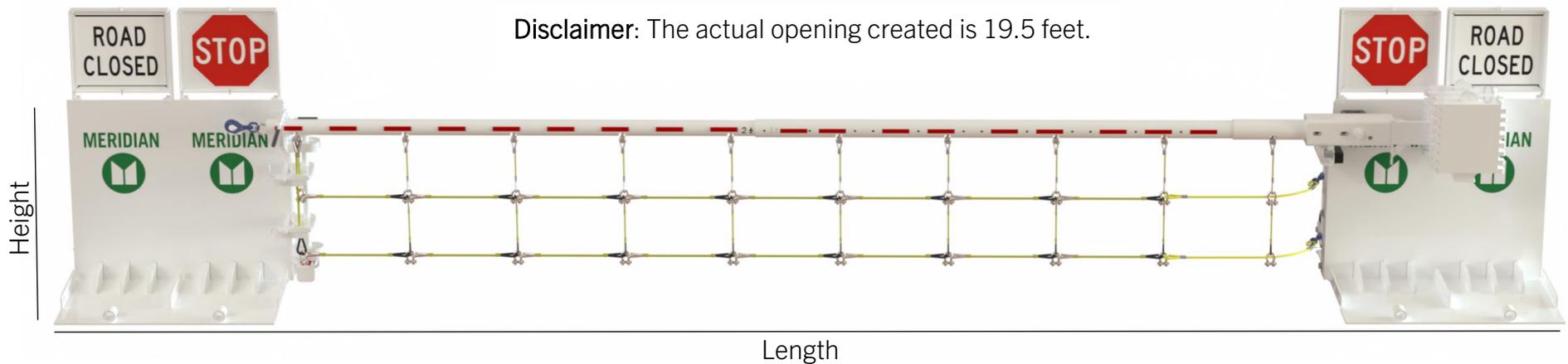
## Archer Beam Gate Overall Dimensions

- Overall Length- 28 ft.
- Width- 48 in.
- Height- 45 in.
- Mass- 4,883.08 lbs.
- Surface Area- 81,115.98 square inches

## Archer Beam Gate Deployment Options Include:

- Road closures
- Security check points
- Event gates
- Command center egresses
- Temporary road access points
- Construction gateways
- Used in conjunction with serpentine formations
- Used in conjunction with chicanes
- Used with Archer 1200 Barriers for a span formation up to 100 ft.
- Can be configured to span from 16 ft. to 20 ft. with one Archer Beam Gate

Disclaimer: The actual opening created is 19.5 feet.



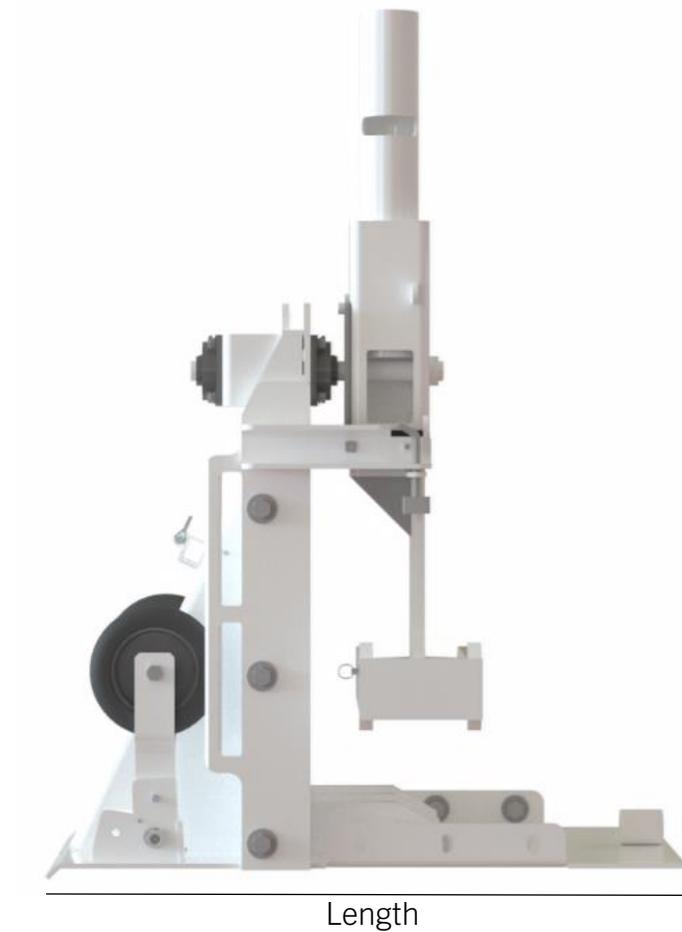
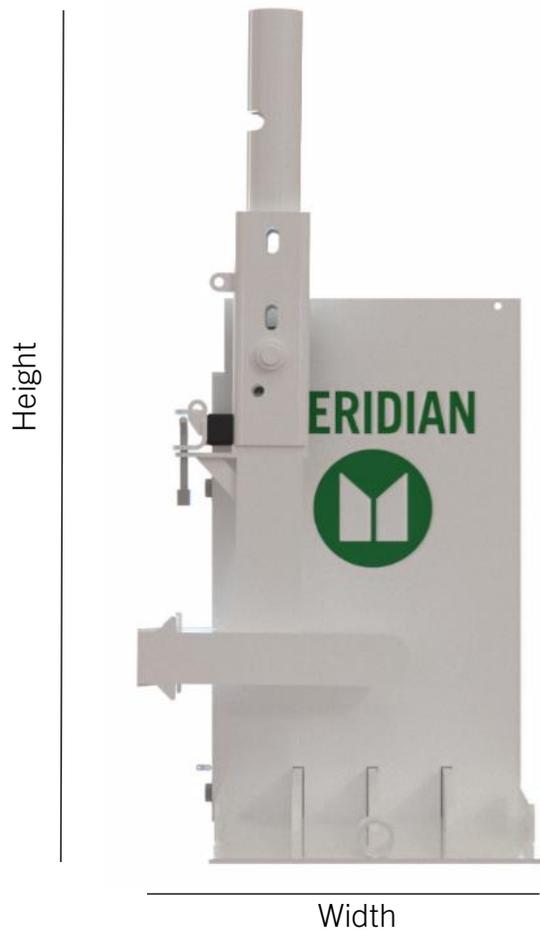
## RAPID DEPLOYMENT IN ALL SETTINGS TO SECURE PERIMETERS

The Archer Beam Gate is the easiest active gate in the world to deliver, set up, and install. Its patented design can be a standalone product or used with Meridian's Archer 1200 barriers, either to extend the linear coverage or with serpentine configurations. The Archer Beam Gate is ideal for events, check points, and construction sites, or for porting venues such as military installations, ports and projects where electricity is not available. Whether manned or locked, the gate can be used by authorized personnel.

# Archer 750 Pivot Barrier Specifications

## Archer 750 Pivot Barrier Overall Dimensions

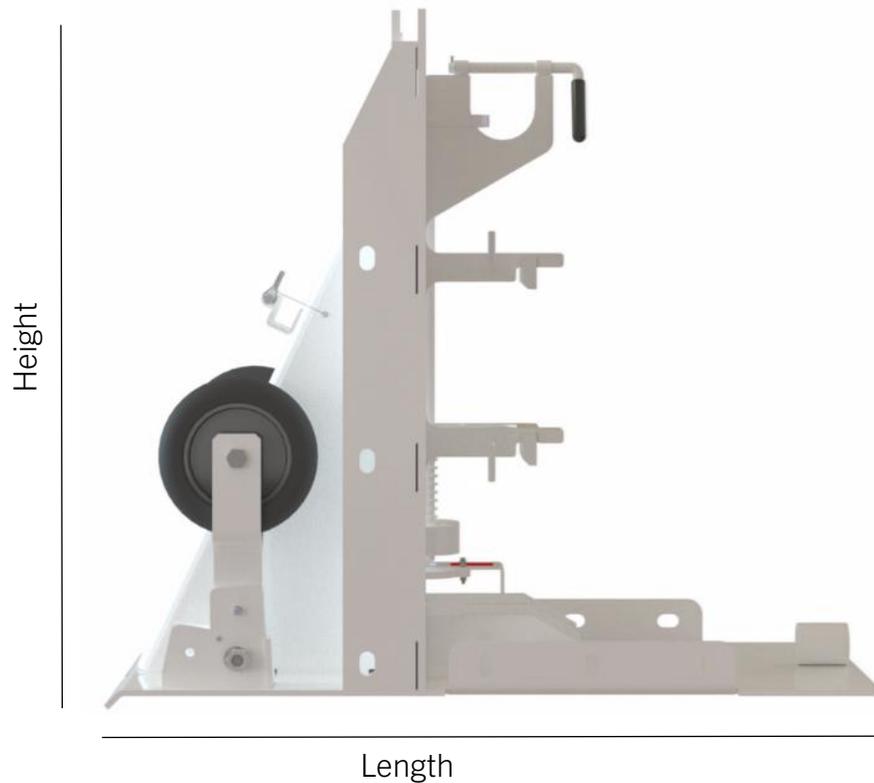
- Length- 48 in.
- Width- 30 in.
- Height- 65 in.
- Weight- 958 lbs.
- Surface Area- 15,472.72 square inches
- Material- ASTM A36 steel



# Archer 750 Receiver Barrier Specifications

## Archer 750 Receiver Barrier Overall Dimensions

- Length- 48 in.
- Width- 32 in.
- Height- 43 in.
- Weight- 805 lbs.
- Surface Area- 13,302.79 square inches
- Material- ASTM A36 steel

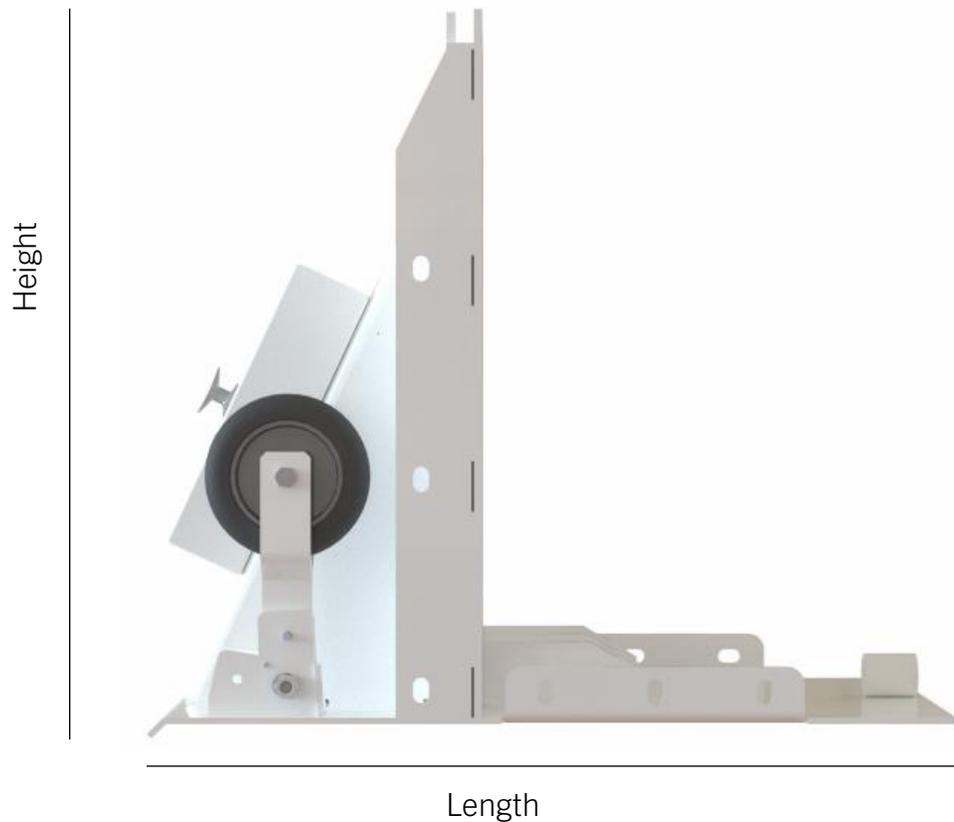


# Archer 750 Storage Barrier Specifications

## Archer 750 Storage Barrier Overall Dimensions

- Length- 48 in.
- Width- 24 in.
- Height- 43 in.
- Weight- 710 lbs.
- Surface Area- 13,574.60 square inches
- Material- ASTM A36 steel

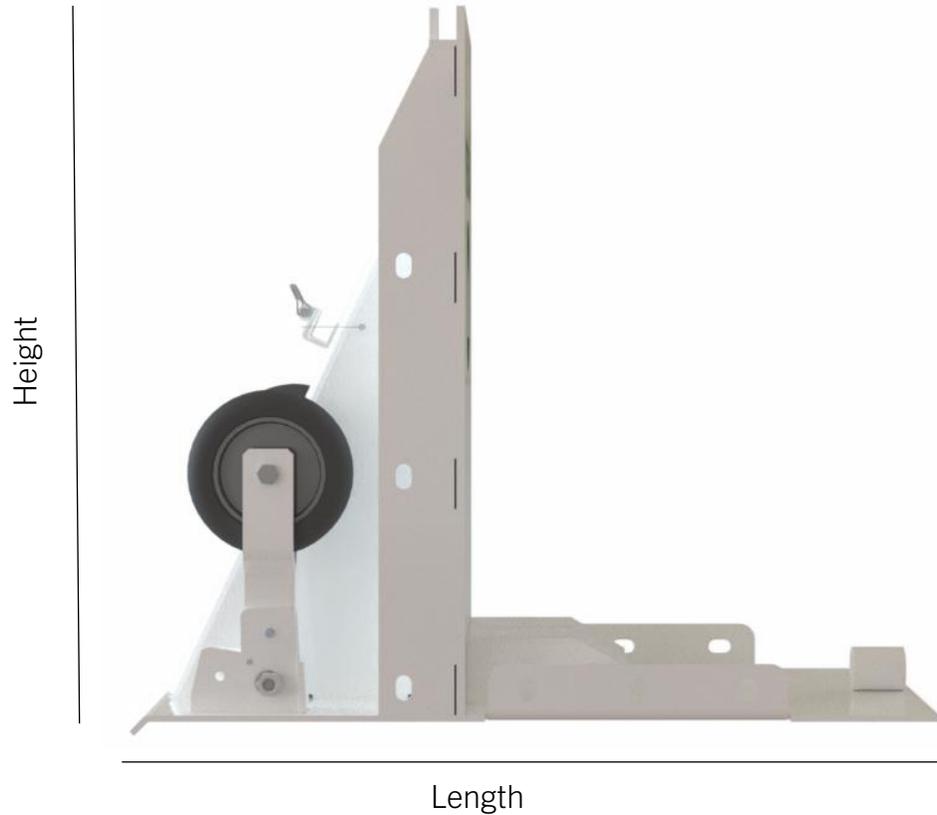
Storage box contains the hardware and tools required to assemble the Beam Gate. The storage box can be locked while not in use to ensure all required hardware is available for your next deployment.



# Archer 750 Barrier Specifications

## Archer 750 Barrier Overall Dimensions

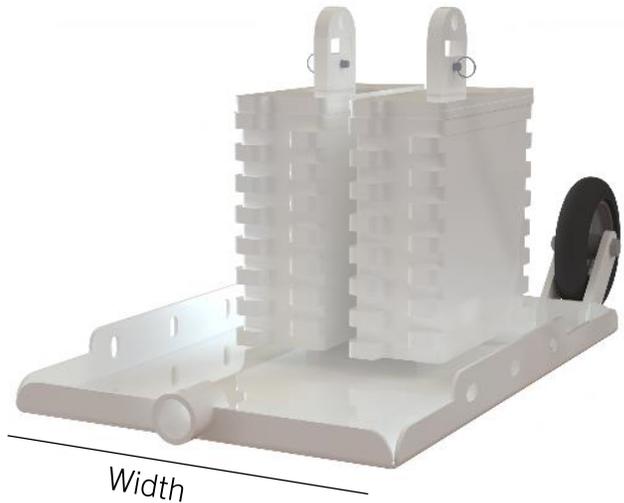
- Length- 52 in.
- Width- 24 in.
- Height- 43 in.
- Weight- 687 lbs.
- Surface Area- 11,051.30 square inches
- Material- ASTM A36 steel



# Archer Ingot Cart Specifications

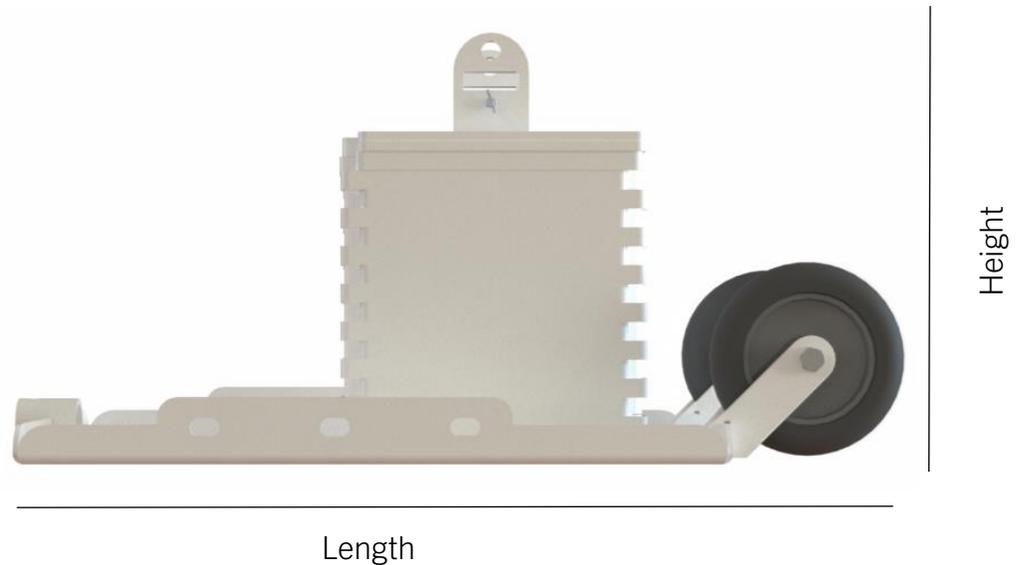
## Archer Ingot Cart Overall Dimensions

- Length- 47 in.
- Width- 24 in.
- Height- 22.5 in.
- Weight- 892 lbs.
- Material- ASTM A36 steel



## Ingot Weight Overall Dimensions

- Length- 16 in.
- Width- 6 in.
- Height- 1 in.
- Weight- 23.37 lbs.
- Surface Area- 218.28 square inches
- Material- ASTM A36 steel
- Quantity- 32 ingots



# Beam Gate Beam Specifications

## Beam **1**

- Length- 132 in.
- Weight- 33.36 lbs.
- Surface Area- 3,081.66 square inches
- Material- Aluminum 6061
- Outer Diameter- 4.0 in.



## Beam **2**

- Length- 132 in.
- Weight- 26.91 lbs.
- Surface Area- 2677.03 square inches
- Material- Aluminum 6061
- Outer Diameter 3.50 in.



# Archer Beam Gate Net Specifications

- The Meridian Archer Beam Gate net uses technology from aircraft carriers to absorb the kinetic energy of a moving vehicle and pulls the barriers into play for vehicle mitigation without loss of life.
- The net can is expandable to sixteen feet, eighteen feet and twenty feet.
- The Archer Beam Gate net is manufactured using only the highest grade extra improved plowed steel and vinyl coated in neon yellow that aids in visibility as well as abrasion protection and flexibility.
- Each wire rope cable is attached to the barriers by two G-100 Swivel self-locking hooks. The self-locking hooks each have a working load limit of 5,700 pounds and can swivel during load.

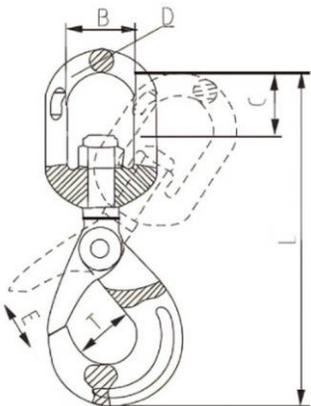


## Wire Rope Cable Specifications

- Construction- 6x19 IWRC
- Nominal Diameter-0.625 in. & 0.375 in.
- Finish- Galvanized
- Lay Direction- RHRL
- Specification- ASTM A 1023 or RR-W410G
- Grade of Steel Used- EIPS
- Min. Breaking Strength- 24,004 lbs.

## Wire Rope Cable Chemical Composition

- C: 0.69-0.73%
- Si: 0.200-0.24%
- S: Max 0.025%
- P: Max 0.025%
- Mn: 0.54-0.64%
- P: Max 0.025%
- Mn: 0.54-0.64%



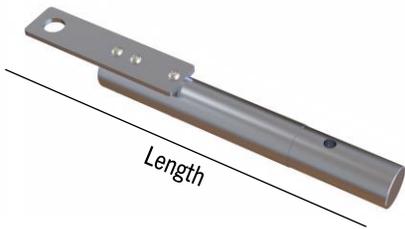
## G-100 Swivel Hook Specifications

- Weight- 2.6 lbs.
- Quenched and tempered alloy steel
- EN 1677-3 & ASME B30.26, PAS1061
- Full swivel under load
- Federal Specification RR-C-271G Type IVA, Grade A, Class 2

## G-100 Specifications Dimensions

- B- 1.42 in.
- C- 1.44 in.
- D- 0.51 in.
- T- 1.35 in.
- L- 7.35 in.
- E- 1.28 in.

# Archer Hauler 2.0 Specifications

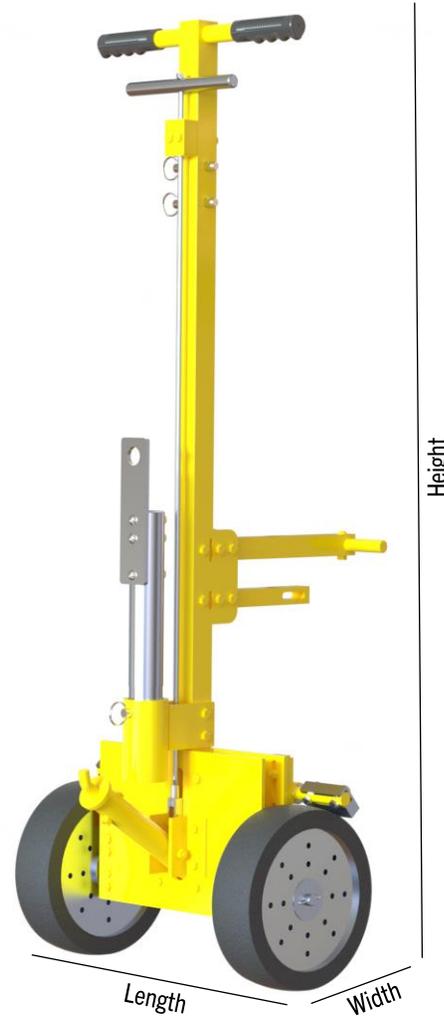


## Hauler Attachment Specifications

- Length- 18 in.
- Diameter- 2.0 in.
- Weight- 4 in.
- Material- Aluminum 6061-T6

## Archer Hauler 2.0 Dimensions

- Length- 18 in.
- Width- 12 in.
- Height- 53 in.
- Weight- 40 lbs.
- Material- Aluminum 6061-T6



## Caster Wheel Specifications

- Type- Black solid core tire
- Core- Stainless steel core
- Wheel Diameter- 10 in.
- Wheel Width- 2.25 in.
- Capacity- 1,500 lbs.

## Features

- Adjustable Brakes
- 3,000 lb. capacity
- Solid core tire
- Durable powder coating

## Archer Hauler 2.0 Ergonomic Data

Product	Initial Force 1	Initial Force 2	Initial Force 3	Initial Force 4	Average Force to move barrier	Force on an incline (7 degrees)
Archer Hauler 2.0	22.4 lbf	25.3 lbf	21.8 lbf	21.6 lbf	23 lbf	42 lbf

# Additional Product Features

## 🔧 SPECIFICATIONS

- Modular design can expand from 16 feet to 20 feet
- No electricity
- No hydraulics
- No batteries
- No maintenance
- Manual operation
- One person deployment

## 🔧 CUSTOMIZATION

- Customizable with paint colors and logos of your choice
- Integrate with all Meridian products, specifically the SAFETY Act-designated Archer 1200 Barriers
- Transported on Meridian's drop deck trailer— exclusively or in combination with Archer 1200 Barriers
- Works in all climates
- Rent or purchase

## Installation Manual



The Archer Beam Gate can easily be expanded to 16 ft., 18 ft., or 20 ft.

