




## ARNG WTC Pathfinder MTT

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### Slingloads Nomenclature Packet




## Common Slingload Equipment




**Note:** Students are required to know both proper nomenclature and all rated capacities. Information (in parenthesis) is not testable.



### Aerial Delivery Sling Type XXVI Multi-Loop Line





Rated capacity in pounds		
# of loops	Pendant	Lifting Provision
2	8,900	5,600
3	13,500	8,500
4	17,800	11,200
6	27,000	17,000



### Aerial Delivery Sling Type XXVI Multi-Loop Line





Lengths in feet	
# of loops	Lengths Available
2	3, 9, 11, 12, 16, 20, and 120
3	60 and 140
4	3, 9, 11, 12, 16, 20, and 28
6	60 and 120

 **Three-Foot Apex Ring or Donut Ring (Aerial Delivery Sling with Type IV Connector Link)** 




1. Three-Foot Apex Ring or Donut Ring-Rated capacity: 10,000 lbs
2. Type IV Connector Link-Rated capacity: 12,500 lbs
3. Base Plate
4. Aluminum Buffers
5. Locking Plate
6. Cotton Buffer


 **Two-point Link Assembly** 




1. Two-point Link Assembly – Rated capacity: 25,000 lbs



## Suspension Clevis





1. Small Suspension Clevis	Rated capacity: 6,250 lbs	Lifting provision: 3,750 lbs
2. Medium Suspension Clevis	Rated capacity: 6,250 lbs	Lifting provision: 3,750 lbs
3. Large Suspension Clevis	Rated capacity: 12,500 lbs	Lifting provision: 7,875 lbs
4. Nut		
5. Bolt		






## Cargo Tie-Down Equipment





1. A7A Strap – Rated capacity: 500 lbs
2. Friction Adapter
3. CGU-1/B – Rated capacity: 5,000 lbs

 **Cargo Tie-Down Equipment** 



1. 15 Foot Tie-Down Strap (Dacron Lashings) – Rated capacity: 10,000 lbs  
2. D-Ring  
3. Silver Load Binder – Rated capacity: 5,000 lbs  
4. Black Load Binder – Rated capacity: 10,000 lbs

 **10,000 Lbs Sling Set (One Leg)** 



1. 10,000 lbs Apex Fitting- Rated capacity: 10,000 lbs  
2. 10,000 lbs Sling Leg- Rated capacity: 2,500 lbs  
3. Chain  
4. Grabhook Assembly

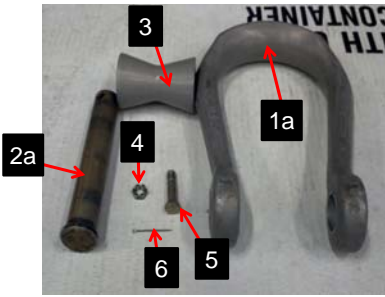
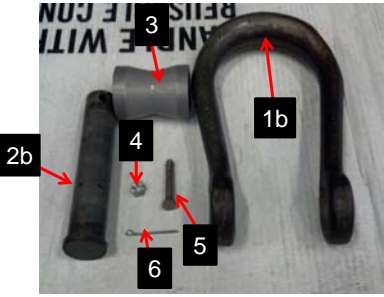
<b>10,000 LBS Sling Set</b>		
	<b>APEX FITTING</b>	
MATERIAL		ALUMINUM
PIN SIZE		1 1/8 INCH DIAM.
WEIGHT		4 1/2 LBS
	<b>SLING LEG</b>	
ROPE COLOR		OLIVE DRAB
LENGTH		12 FEET
ROPE DIAMETER		7/8 INCH
	<b>CHAIN</b>	
LINKS		110 - 115
LENGTH		8 FEET
<b>TOTAL WEIGHT</b>		<b>52 LBS</b>

<b>25,000 Lbs Sling Set (One Leg)</b>	
	
1.	25,000 lbs Apex Fitting- Rated capacity: 25,000 lbs
2.	25,000 lbs Sling Leg- Rated capacity: 6,250 lbs
3.	Chain
4.	Grabhook Assembly

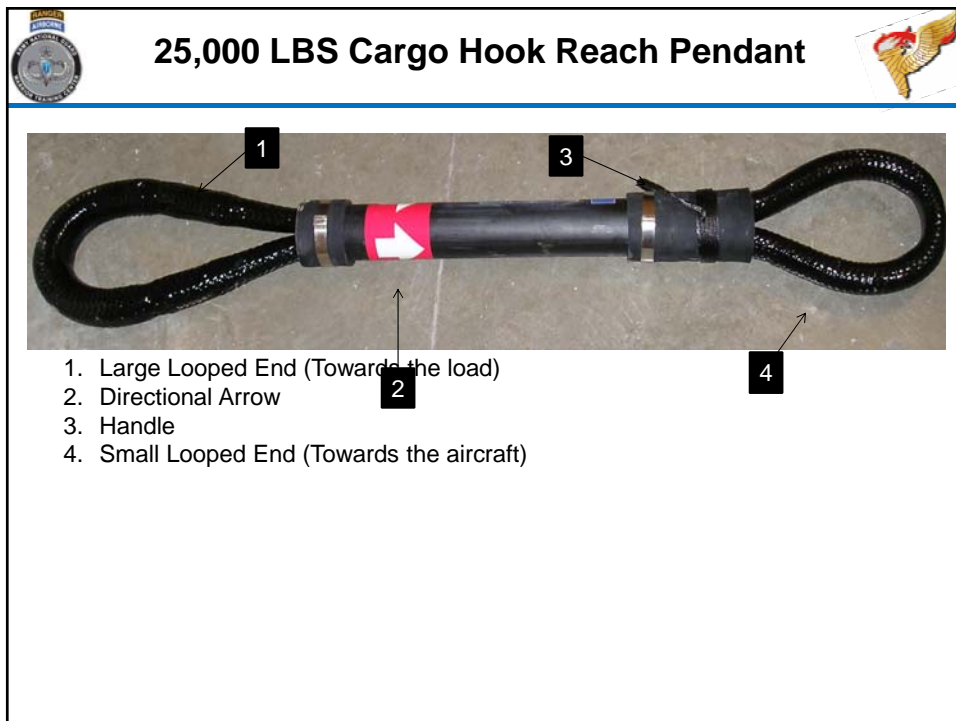
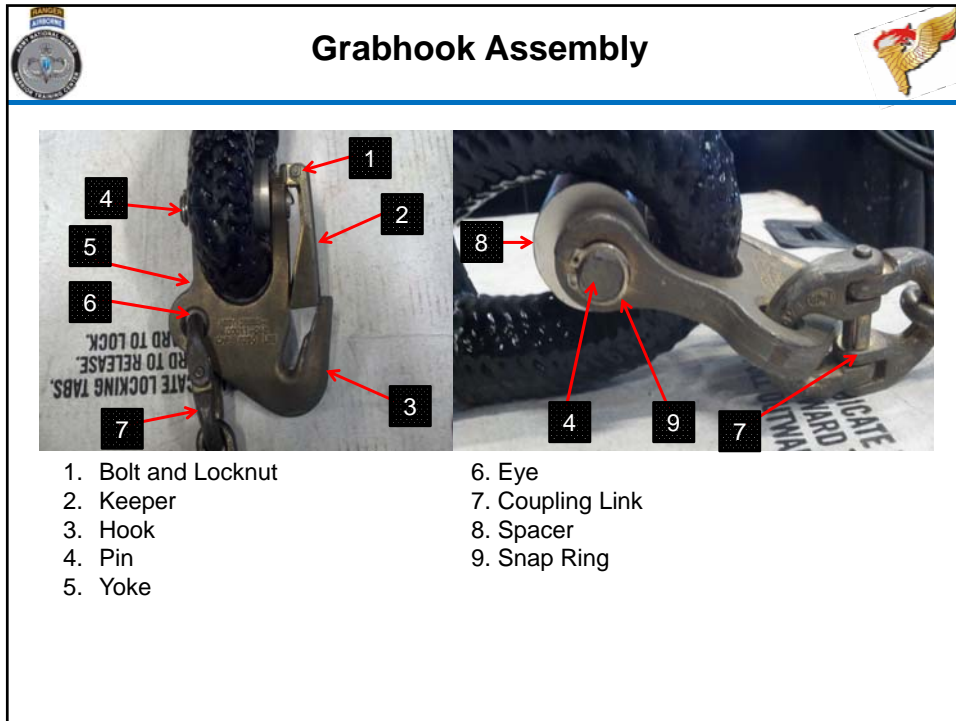


<b>25,000 LBS Sling Set</b>		
	<b>APEX FITTING</b>	
MATERIAL		STEEL ALLOY
PIN SIZE		1 1/2 INCH DIAM.
WEIGHT		10 LBS
	<b>SLING LEG</b>	
ROPE COLOR		BLACK
LENGTH		12 FEET
ROPE DIAMETER		1 1/4 INCH
	<b>CHAIN</b>	
LINKS		84 - 88
LENGTH		8 FEET
<b>TOTAL WEIGHT</b>		<b>114 LBS</b>



### Apex Fitting

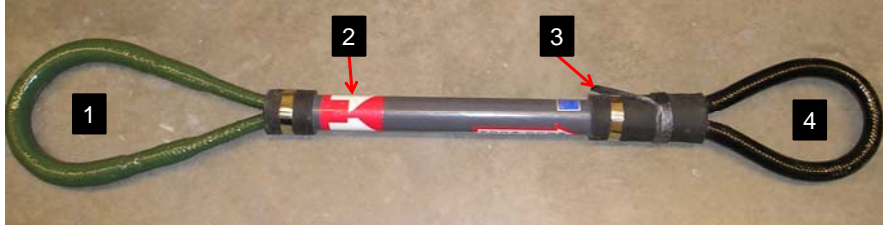



1. Apex Shackle
  - 1a. Rated capacity: 10,000 lbs.
  - 1b. Rated capacity: 25,000 lbs.
2. Apex Fitting Pin
  - 2a. 1 1/8 Inch diameter
  - 2b. 1 1/2 Inch diameter
3. Apex Spacer
4. Castellated Nut
5. 3/8 Inch Drilled Bolt
6. Cotter Pin







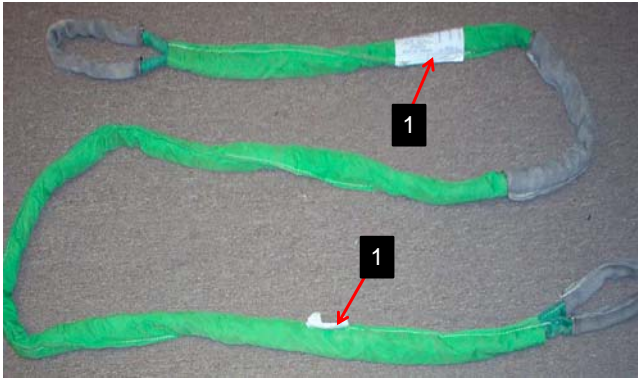
 **11,000 LBS Cargo Hook Reach Pendant** 



The image shows a 11,000 LBS Cargo Hook Reach Pendant. It is a long, cylindrical metal handle with a green looped end on the left and a black looped end on the right. A red and white directional arrow is painted on the handle. The handle is marked with numbers 1, 2, 3, and 4.


1. Large Looped End (Towards the load)
2. Directional Arrow
3. Handle
4. Small Looped End (Towards the aircraft)

 **Polyester Round Sling** 





The image shows a Polyester Round Sling. It is a long, green, round sling with two white identification tags attached. The tags are marked with the number 1.

1. Identification Tag (Two must be present)




## Polyester Round Slings




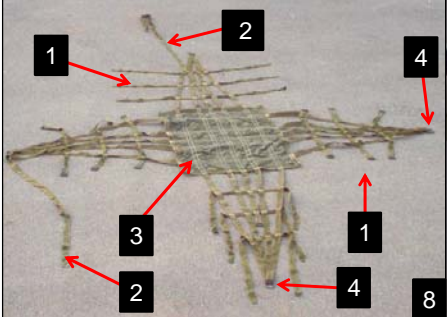
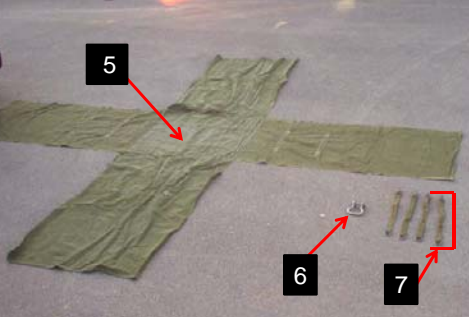


Rated capacity in pounds by hitch type					
Length in feet	Color	Choked	Vertical	Basket	Weight in Lbs
8	Green	4,200	5,300	10,600	4
17	Green	4,200	5,300	10,600	10
8	Yellow	6,700	8,400	16,800	5
17	Yellow	6,700	8,400	16,800	11
30	Red	10,600	13,200	26,400	26
65	Blue	17,000	21,200	42,400	75
70	Blue	17,000	21,200	42,400	81



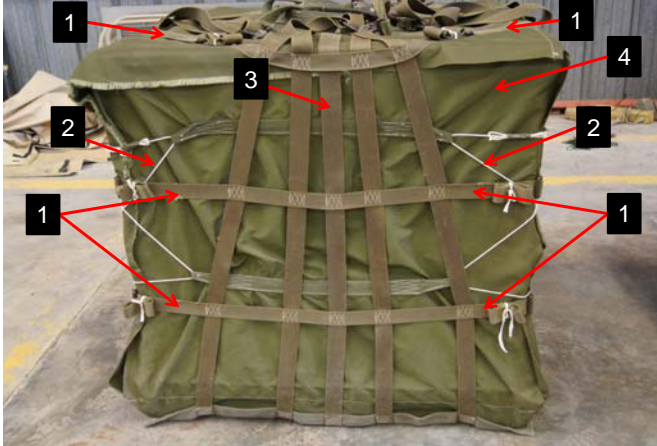
## A22 Cargo Bag








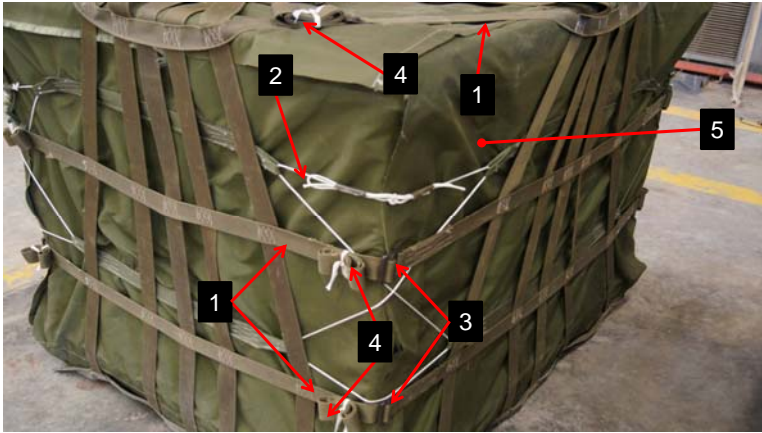
1. Lateral Strap
2. 188 Inch Strap
3. Scuff Pad
4. D-Ring
5. Canvas Cover (Optional)
6. Medium Suspension Clevis – Rated capacity: 6,250 lbs
7. 24 Inch Suspension Web – Rated capacity: 550 lbs (each)
8. Sling assembly

 **A22 Cargo Bag** 



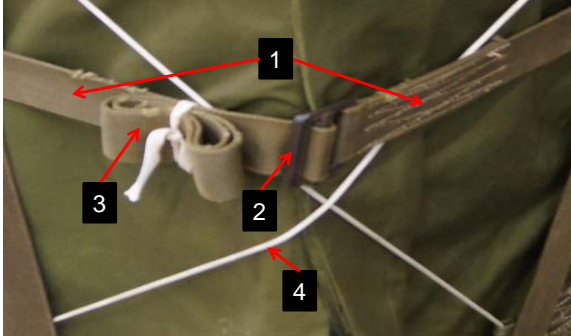
1. Lateral Strap
2. Lacing Cord
3. 188 Inch Strap
4. Canvas Cover (Optional)

 **A22 Cargo Bag** 



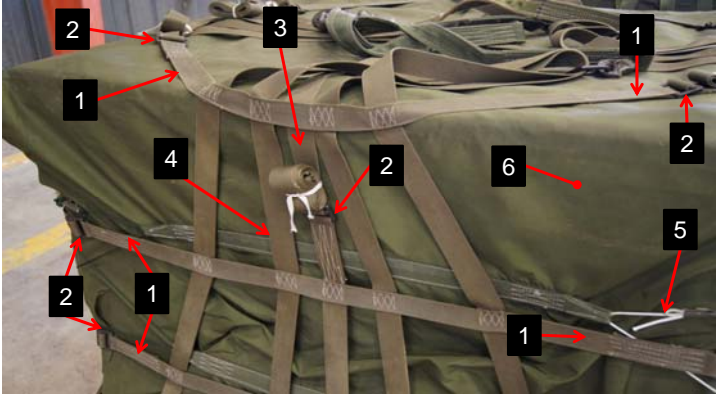
1. Lateral Strap
2. Lacing Cord
3. Friction Adapter
4. Excess Lateral Strap
5. Canvas Cover (Optional)

**A22 Cargo Bag**





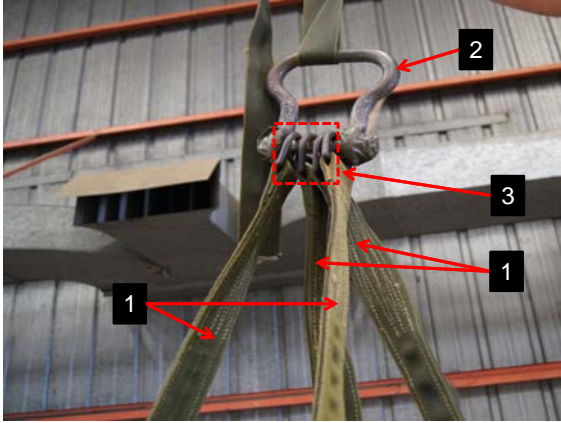
1. Lateral Strap
2. Friction Adapter
3. Excess Lateral Strap
4. Lacing Cord

**A22 Cargo Bag**





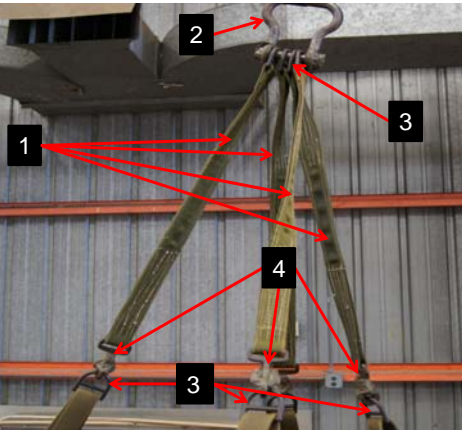
1. Lateral Strap
2. Friction Adapter
3. 188 Inch Strap
4. Excess 188 Inch Strap
5. Lacing Cord
6. Canvas Cover (Optional)

 **A22 Cargo Bag** 





1. 24 Inch Suspension Web
2. Medium Suspension Clevis
3. D-Ring


 **A22 Cargo Bag** 



1. 24 Inch Suspension Web
2. Medium Suspension Clevis
3. D-Ring
4. Connector Snap





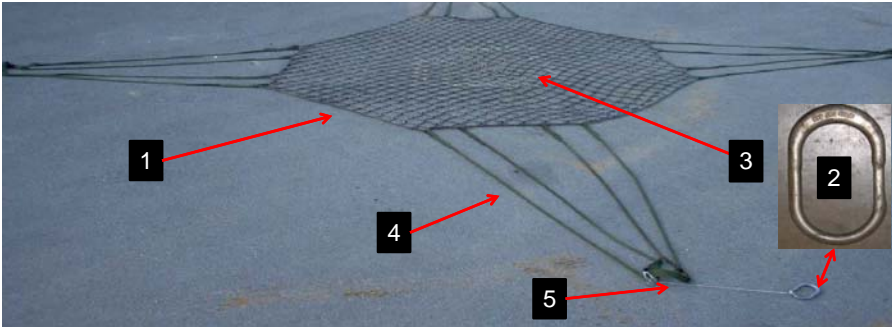
 **A22 Cargo Bag** 



The image shows a black, heavy-duty webbing strap with a connector snap at one end and a D-ring at the other. A red box highlights the entire strap, and red arrows point to the connector snap and the D-ring.

1. 24 Inch Suspension Web
2. Connector Snap
3. D-Ring



 **5K Cargo Net** 

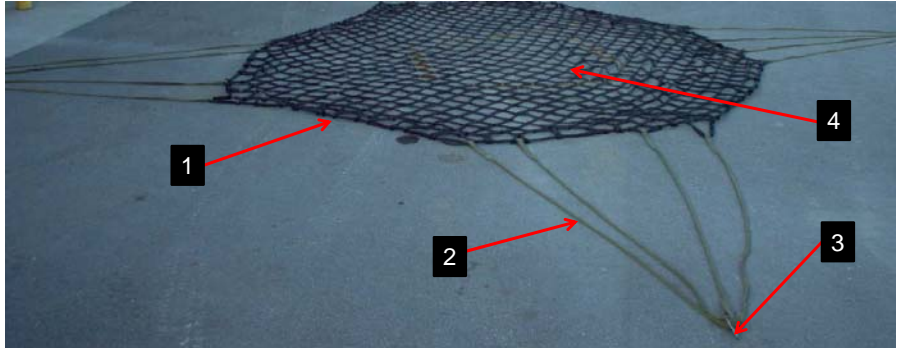


The image shows a large, square, grey mesh net with four lifting legs. A red arrow points to the net, another to a load zone, and another to a hook. An inset image shows a metal net apex fitting with a hook.

1. 5k Cargo Net: Rated capacity: 5,000 Lbs  
Size: 15 ft x 15 ft  
Mesh size: 6 in x 6 in
2. Net Apex Fitting: Rated capacity: 10,000 Lbs
3. Load Zone: Size: 5 ft x 5 ft
4. Lifting Leg
5. Hook



 **10k Cargo Net** 





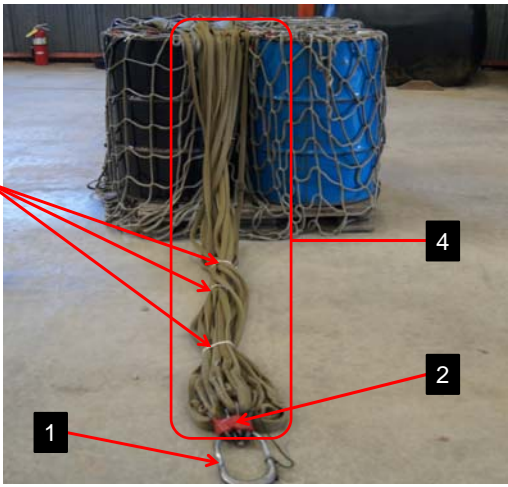
1. 10k Cargo Net: Rated capacity: 10,000 Lbs  
Size: 18 ft x 18 ft  
Mesh size: 7.5 in x 7.5 in

2. Load Zone  
Size: 6 ft x 6 ft

3. Lifting Leg

4. Hook

 **Cargo Nets** 



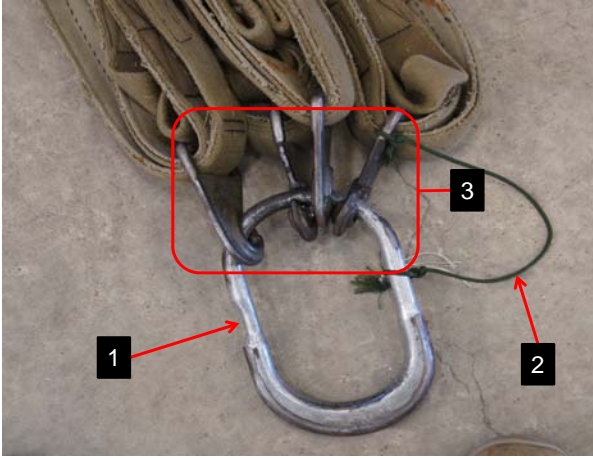
1. Net Apex Fitting

2. Tape (around hooks)

3. Breakaway Tie

4. Lifting Legs

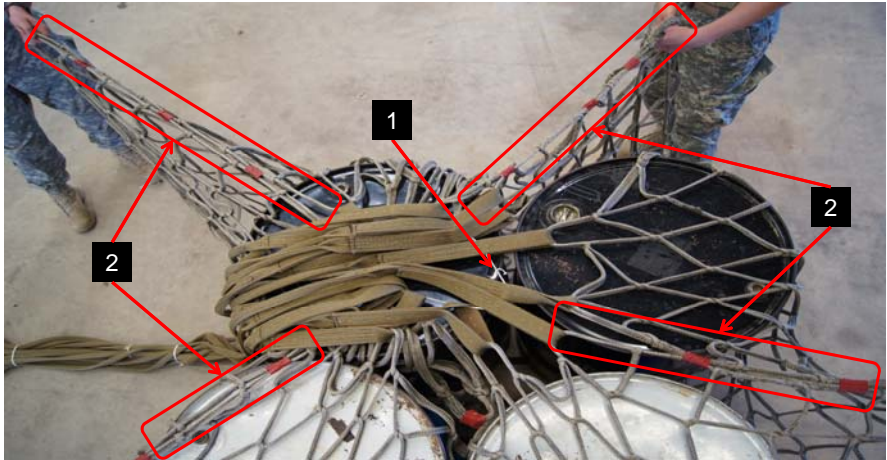
**Cargo Nets**



A close-up photograph of the apex of a cargo net. A red box highlights the metal hooks and the fitting where they meet. A red arrow labeled '1' points to the notch of a hook. A red arrow labeled '2' points to a green tether cord. A red arrow labeled '3' points to the metal hook itself.



1. Net Apex Fitting (arrow points at the notch to insert the hooks)
2. Net Apex Tether Cord (tied opposite to the notch)
3. Hook (Hooks must be taped, tape omitted in picture to show alternating hook sequence)

**Cargo Nets**



A photograph of a cargo net being used to secure a large black barrel. Red boxes highlight specific features: '1' points to a breakaway tie connecting the net to the barrel, and '2' points to the border cord of the net.

1. Breakaway Tie
2. Border Cord

 **Equipment, Trailers and Vehicles** 

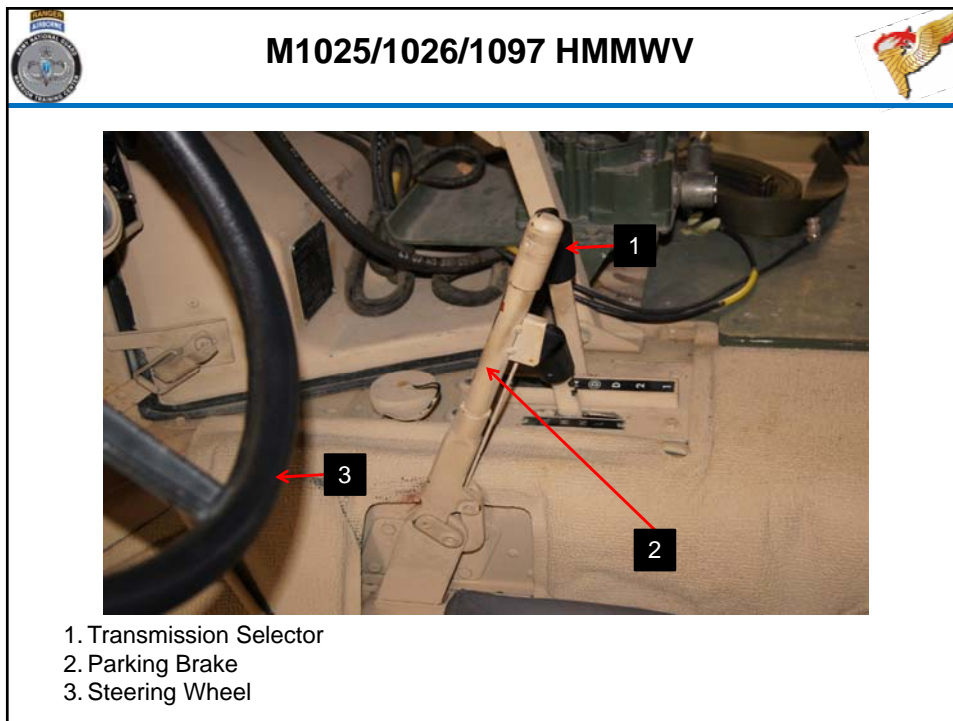
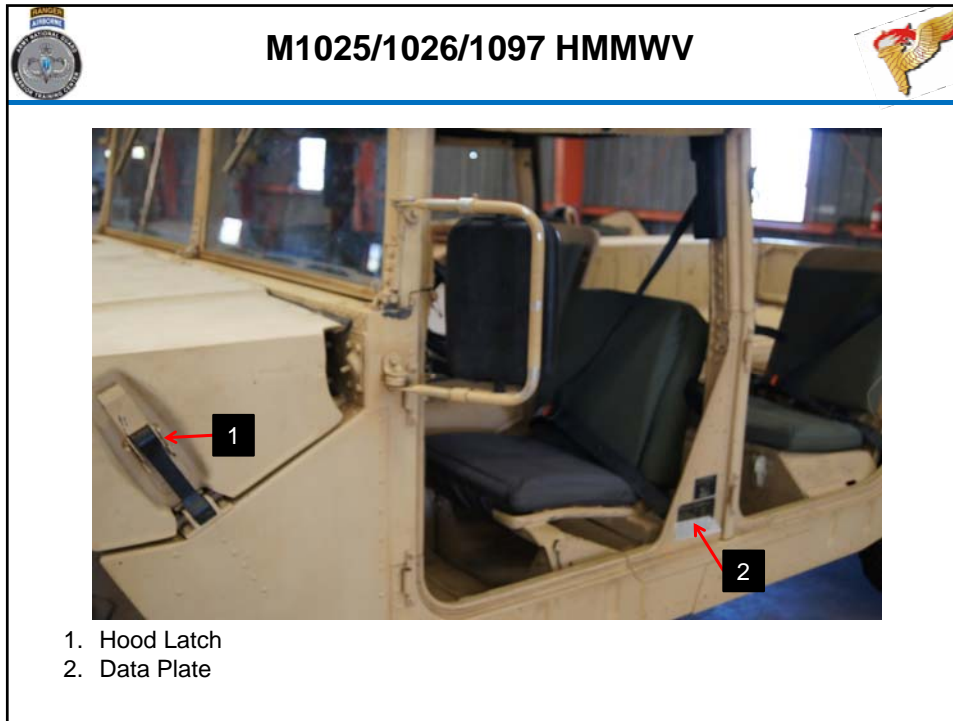
The equipment in the following slides will be taught during the course.



The nomenclature applies to all Series and Variants of the same type of load. The models listed and shown are for example purposes. Models or variants used at your training site may differ but the nomenclature stays the same. This includes cargo-type wheeled vehicles versus personnel or armament carrier-types and vehicles with or without turrets.

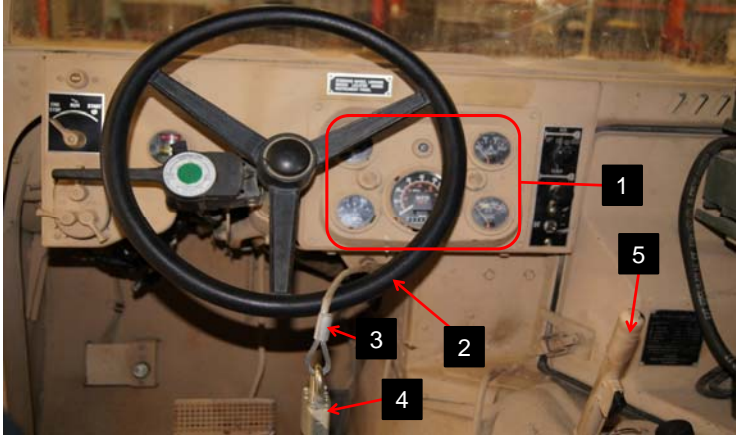
 **M1025/1026/1097 HMMWV** 



1. Wheel



 **M1025/1026/1097 HMMWV** 




1. Instrument Cluster  
2. Steering Wheel  
3. Cable  
4. Lock  
5. Parking Brake


 **M1025/1026/1097 HMMWV** 



1. Seat Pin



 **M1025/1026/1097 HMMWV** 



1. Seat Latch


 **M1025/1026/1097 HMMWV** 




1. Fuel Cap





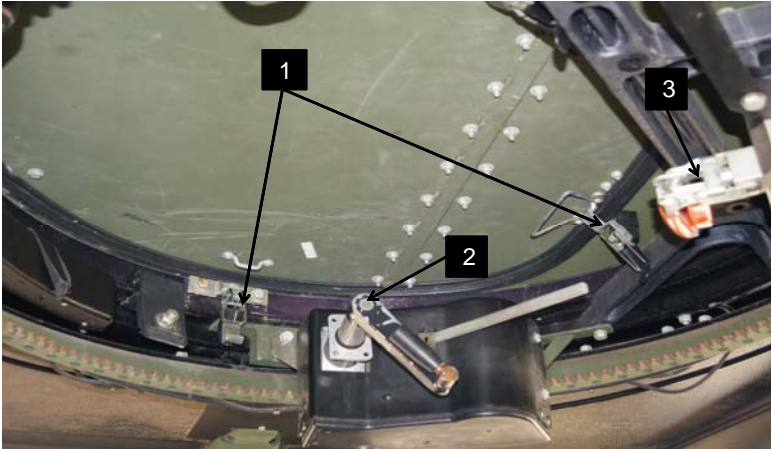


 **M1114/1151 HMMWV** 





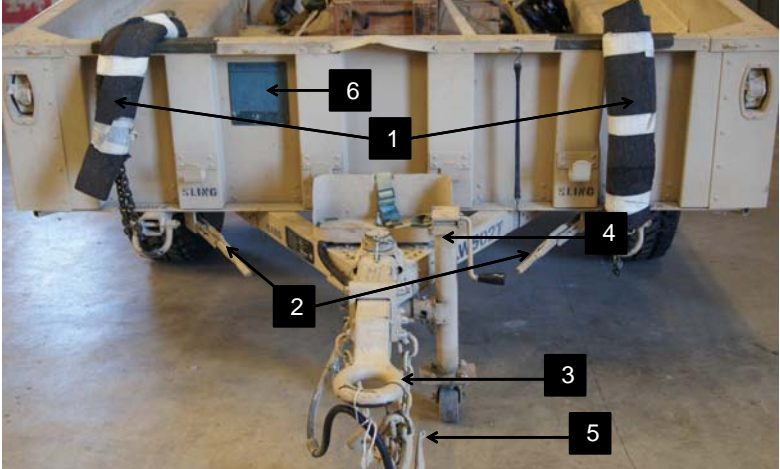
1. Turret Lock

 **M1114/1151 HMMWV** 





1. Turret Latch  
2. Turret Handle  
3. Turret Lock

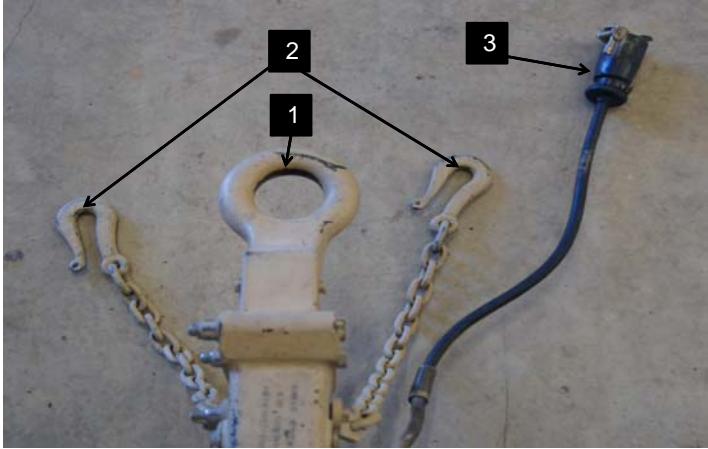
 **M1101 High Mobility Trailer** 



1. Cattle Hair Felt  
2. Parking Brake  
3. Lunette  
4. Front Jack  
5. Safety Chains  
6. Data Plate

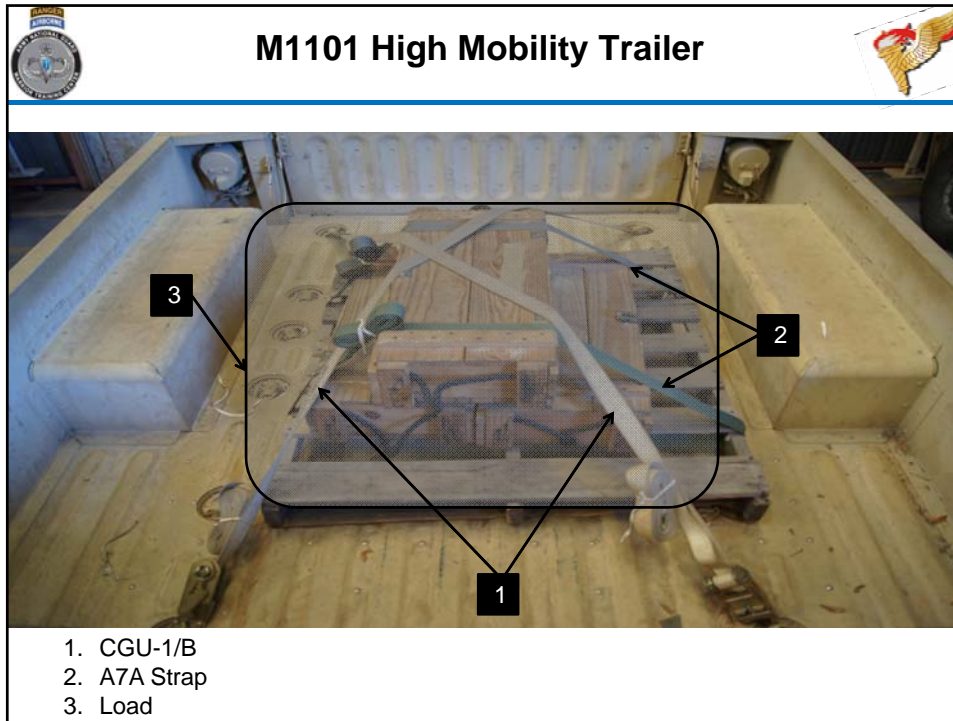
Detailed description: This image shows the front view of an M1101 High Mobility Trailer. The trailer is white with black and white striped protective covers on the front corners. A central front jack is visible, along with safety chains and a lunette. A parking brake is located on the left side. A data plate is mounted on the front panel. The trailer is parked on a concrete floor.

 **M1101 High Mobility Trailer** 





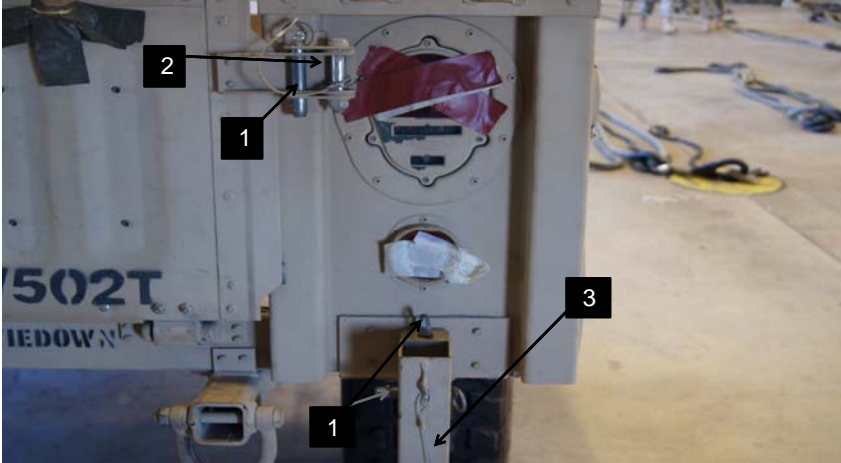
1. Lunette  
2. Safety Chains  
3. Light Cable

Detailed description: This image is a close-up view of the front components of the M1101 High Mobility Trailer. It shows a central lunette (hook) with two safety chains attached to it. A light cable is also visible, extending from the right side of the lunette.





 **M1101 High Mobility Trailer** 



1. Manufactured Pin  
2. Tailgate Latch  
3. Stabilizer Leg

 **M1101 High Mobility Trailer** 



1. Stabilizer Leg  
2. Manufactured Pin



## M1101 High Mobility Trailer





1. Cattle Hair Felt