



RAM OPPORTUNITIES LLC

Mining, Mineral Processing & Power Plant Equipment

M871A2 Dynaweld 31ft Long Flatbed Semi Trailer 22 1/2Ton

Kingpin diameter 2 in.
 Kingpin to front of chassis 30 in.
 Kingpin to landing leg (center to center) 118 in.

Dimensions overall:

Length **31 ft.**

Width **8 ft.**

Height **103 in.**

Floor height:

Empty 55 in.

Loaded 54 in.

Upper fifth wheel plate height (loaded) 48 in.

Track (tread center-to-center of tires) 71.5 in.

Empty weight 12,240 lbs

Payload:

Hard surface roads 45,000 lbs

Cross country 45,000 lbs

Center of gravity from front of trailer:

Empty 197.5 in.

Angle of departure (loaded) 50 degrees

Ground clearance (from bottom of axle) 19 in.

Fording depth 18 in.

Voltage 12 and 24 volts DC negative ground

Blackout lights 24 volt

Stop, turn and taillights 12 volt

Clearance lights 12 volt

Axles

Manufacturer Rockwell International

Type 5 in. tubular

Model number TN4670-QH-2704

Quantity 2

Load capacity (per axle) 20,000 lbs

Brakes

Actuation Air

Internal brakes S-cam, two-shoe, double anchor, expanding, self adjusting
and centering, quick change

Brake drum diameter 16.5 in.



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Wheels

Manufacturer Firestone Accuride

Type Tube type, 2 piece

Rim size 7.50 X 20

Wheel bearings:

Manufacturer Timken

Type Tapered roller

Tires

Type Tube type, nylon, Longhauler

Quantity 8 plus 1 spare

Size 11.00 X 20

Ply 12

Tire inflation (cold) 75 psi

Landing Legs.

Manufacturer Binkley Co.

Type Telescopic, manual

Length to top of floor:

Retracted 40.75 in.

Extended 57.5 in.

Operation Hand crank, 2-speed

Width at feet (center to center) 48 in.

Lift capacity (at 75 lb-ft torque) 40,000 lbs

Suspension.

Manufacturer Hutchens Industries Inc .

Type Tandem overslung axle

Model number H900-M871A2

Springs Semi-elliptical, 3-leaf

Axle spacing (nominal):

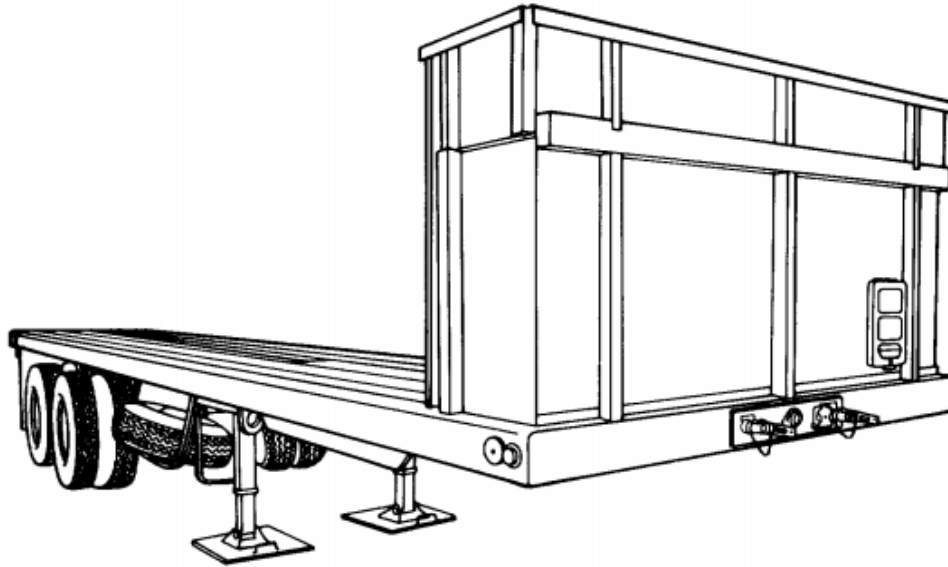
Empty 50.5 in.

Loaded 51.5 in

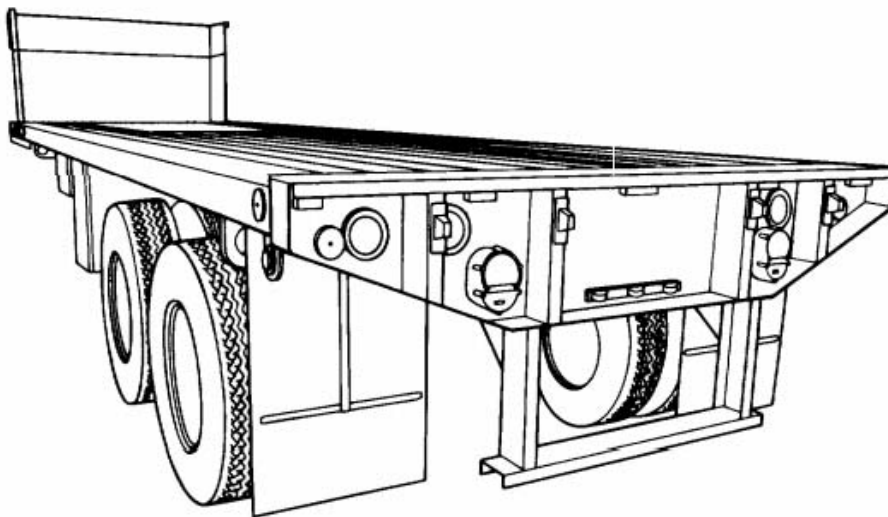


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Right Front View



Left Rear View

M871A2 Semitrailer



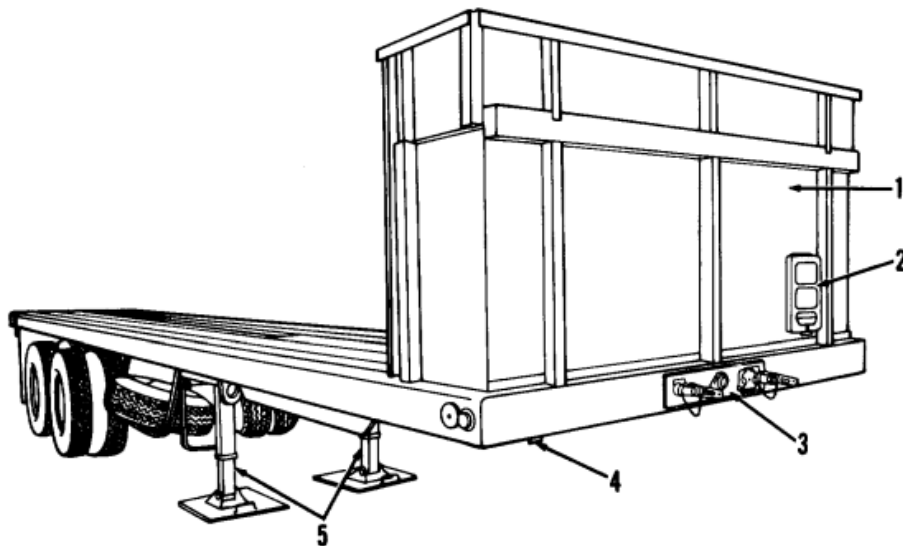
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1-8 LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.

a. Right Front of Semitrailer.

- (1) BULKHEAD PANEL - Constructed of steel. It has the manifest box mounted on the front side. When carrying breakbulk cargo with the side racks installed, it will keep the load from shifting forward.
- (2) MANIFEST BOX - Used to store the cargo manifests.
- (3) NOSE PLATE - Contains the electrical and air line connections. The nose plate also contains the electrical parts required for proper operation of the service lights.
- (4) KINGPIN - Connects the semitrailer to the fifth wheel of the towing vehicle.
- (5) LANDING LEGS - Manually extended when the semitrailer is uncoupled from the towing vehicle, and manually retracted when the semitrailer is coupled to the towing vehicle.

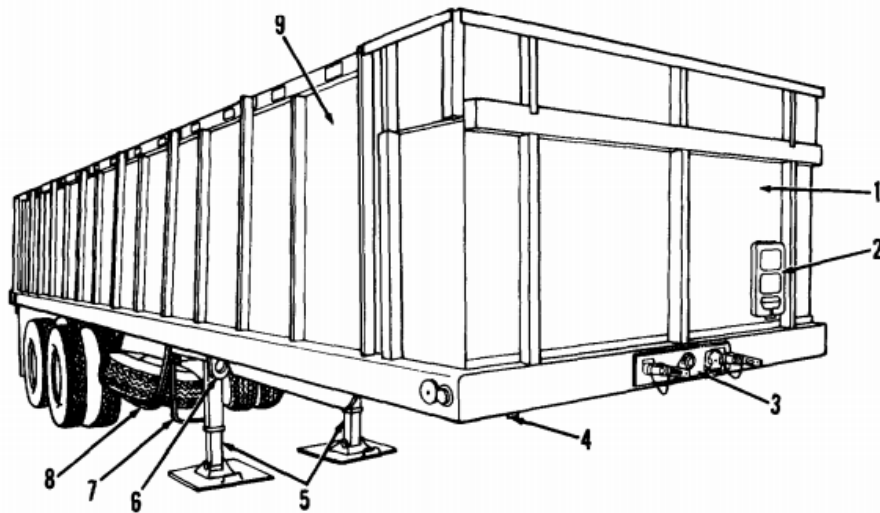




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1-8 LOCATION AND DESCRIPTION OF MAJOR COMPONENTS (CONT) .



- (6) LIFT POINTS - Used to lift the semitrailer with a sling hoist.
- (7) LANDING GEAR AND CRANK - Two speed gear box for ease in extending or retracting landing legs.
- (8) TIRE CARRIER - Carries the spare tire.
- (9) SIDE RACKS - Used when carrying breakbulk cargo. The side racks mount to the frame.

b. Left Rear of Semitrailer.

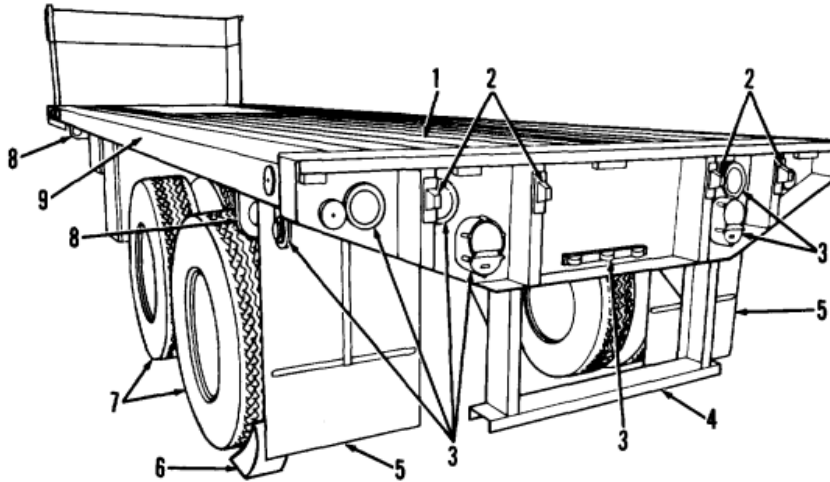
- (1) FLOOR - Constructed of wood. It is screwed to the frame for easy maintenance.
- (2) RUBBER BUMPERS - Prevent damage to the semitrailer and the dock when loading or unloading.
- (3) SERVICE LIGHTS - Includes the clearance, composite (blackout stop light and tail light), and stop, turn and tail lights.
- (4) BUMPER - Prevents damage to the suspension when backing the semitrailer into the dock.
- (5) MUD FLAPS - Keep mud and water from being splashed off the rear tires during rainy weather. Mud flaps also keep most of the rocks thrown up when traveling unimproved roads from being thrown off to the rear.
- (6) WHEEL CHOCKS - Stored on both sides of the semitrailer. Used to chock the wheels when the towing vehicle is uncoupled, to prevent movement.



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1-8 LOCATION AND DESCRIPTION OF MAJOR COMPONENTS (CONT.)



- (7) TANDEM AXLES - Consists of the suspension system, brake system, axles and the tires.
- (8) LIFT POINTS - Used to lift the semitrailer with a sling hoist.
- (9) FRAME - Constructed of steel. Provides the load bearing surface, mounting for the axles, suspension, kingpin, and side rack mounting.