



INTERSTATE UTILITY TRAILER

UTILITY TRAILER INTERSTATE

9200 Brighton Road

Henderson, CO 80640

(888)619-4779

<http://www.utilitytrailer.net>



***2024 MAC SMOOTHSIDE FRAMELESS 40' x 102" x 68" END DUMP w/LIFT AXLE,
24" COAL DOOR, 66-CUBIC YARDS, 12' SPREAD AXLE, 16" KINGPIN SETTING***

	AXLE SPACING (Feet)	AXLE CLASSIFICATION (DOT Requirements)	FEDERAL BRIDGE WEIGHT FORMULA	NORTH CAROLINA STATE POLICE COMMERCIAL DIVISION PERMIT REGULATIONS
Peterbilt 567 Tri Axle Steer Axle #1	N/a	Single	N/a	20,000 lbs. Single - Steer
Peterbilt 567 Tri Axle Lift Steerable Axle #2	22.5' (264.5")	1st of Tridem	N/a	20,000 lbs. (Tridem - 60,000 lbs.) 1st of 3
Peterbilt 567 Tri Axle Drive Front Axle #3	4.5' (54")	2nd of Tridem	58,000 lbs. 24' Spacing (USDOT 4-AXLES)	20,000 lbs. (Tridem - 60,000 lbs.) 2nd of 3
Peterbilt 567 Tri Axle Drive Rear Axle #4	4.5' (54")	3rd of Tridem	N/a	20,000 lbs. (Tridem - 60,000 lbs.) 3rd of 3
MAC Smoothside Frameless Dump Trailer #5 Split Axle (Lift Axle)	25.5' (283")	Dual	N/a	20,000 lbs. (1st of 2 Split Axle) 40,000 lbs.
MAC Smoothside Frameless Dump Trailer #6 Split Axle (Lift Axle)	12' (144")	Dual	97,500 lbs. 29' Spacing (USDOT 2-AXLES)	20,000 lbs. (2nd of 2 Split Axle) 40,000 lbs.

TRACTOR (GVWR)	TRAILER (GVWR)	GROSS COMBINATION VEHICLE WEIGHT RATING	TRAILER SHIPMENT WEIGHT CAPACITY	TRACTOR & TRAILER MANUFACTURER WEIGHT CAPACITY
58,000 lbs. GVWR	97,500 lbs. GVWR	155,500 lbs. GCVWR	49,100 lbs. Legal	136,000 lbs Manufacturing Weight Rating
20,000 lbs. Tare Weight	10,900 lbs. Tare Weight	30,900 lbs. Tare Weight	124,600 lbs. Permit	105,100 lbs. Manufacturing Shipment Weight Rating

	MANUFACTURER RATING	FEDERAL LEGAL AXLE RATING	TIRE TYPE	TIRE SIZE
Peterbilt 567 Tri Axle Steer Axle #1	23,000 lbs.	12,000 lbs.	Michelin X One Line Energy Super Single 10,200 lbs. Max. Load	24.5"
Peterbilt 567 Tri Axle Lift Steerable Axle #2	20,000 lbs.	12,000 lbs.	Michelin X One Line Energy Super Single 10,200 lbs. Max. Load	24.5"
Peterbilt 567 Tri Axle Drive Front Axle #3	23,000 lbs.	17,000 lbs.	Michelin X Multi D 295 Duals 7,390 lbs. Max. Load	24.5"
Peterbilt 567 Tri Axle Drive Rear Axle #4	23,000 lbs.	17,000 lbs.	Michelin X Multi D 295 Duals 7,390 lbs. Max. Load	24.5"
MAC Smoothside Frameless Dump Trailer #5 Spread Axle	25,000 lbs.	17,000 lbs.	Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load	22.5"
MAC Smoothside Frameless Dump Trailer #6 Spread Axle	25,000 lbs.	17,000 lbs.	Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load	22.5"

1. **TOTAL SPECIFICATIONS (Gross Vehicle Weight Rating)**
2. **Total Length:.....480" (40')**
3. **Kingpin Spacing:.....16" (1.3')**
4. **Swing Radius:.....180" (15')**
5. **Dump Trailer Trailer Specs:**
 - a. Length:.....480" (40')
 - b. Width:.....102" (8.5')
 - c. Side Wall Interior Height:.....68" (5.7')
6. **Tires Size:.....22.5"**
7. **Wheelbase (Kingpin to Center Axle of Tridem).....355" (29.5')**
8. **Split Axle Trailer GVWR**
 - a. Tractor (297") [24.75'] Spacing 4-Axles):.....58,000 lbs.
 - b. Split Axle Front (Lift, Drives & Trailer Axle- 23' Spacing):...57,500 lbs.
 - c. Split Axle (12' Spread) Only:.....40,000 lbs
 - d. Tractor Steer Axle:.....23,000 lbs.

e. *TOTAL GROSS COMBINATION VEHICLE RATING:.....178,500 lbs.*

9. Tare Weight:

- a. *Tractor (404" [33.7'] Length):.....20,000 lbs (10-Tons)*
- b. *Trailer (480" [40'] Length):.....11,000 lbs. (5.5-Tons)*

10. Weight & Measure

a. *Cubic Yards (71.8 cu. yards):*

- i. *Equipment (Caterpillar 420):.....42 Cubic Yards*
 - 1. *Backhoe Bucket (0.34 cubic yards):.....125 buckets*
 - 2. *Loading Time:.....140 minutes (2.3 hours)*
 - 3. *Front Loader (1.75 cubic yards):.....24 buckets*
 - 4. *Loading Time:.....36 minutes (0.5 hours)*
- ii. *Track Loader [Cat 973] (3.8 cubic yards):.....11 buckets*
 - 1. *Loading Time:.....16 minutes (0.25 hours)*
- iii. *Wheel Loader (Cat 966 Loader):.....8 cubic yards*
 - 1. *Loading Time:....., , , , , , , , , , 10 minutes (0.125 Hours)*
- iv. *Cat 349 Excavator:.....4.2 cubic yards*
 - 1. *Loading Time:.....5 Minutes*
- v. *Transfer Station (Cat 986 Waste Management):.....13.5 cubic yards*
 - 1. *Loading Time:.....5 Minutes*
- vi. *Quarry (Cat 986 Wheel Loader) :.....13.5 cubic yards*
 - 1. *Loading Time:.....15 minutes*
- vii. *Nursery:.....15 minutes Loading time*

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