

# Blackwell

TRUCK & TRAILER

***BLACKWELL TRUCK AND TRAILER SALES***

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	<b>MANUFACTURER RATING</b>	<b>FEDERAL LEGAL AXLE RATING</b>	<b>TIRE TYPE</b>	<b>TIRE SIZE</b>
<b>Peterbilt 389 Tri Axle Steer Axle #1</b>	20,000 lbs.	12,000 lbs.	Michelin X One Line Energy Super Single 10,200 lbs. Max. Load	24.5"
<b>Peterbilt 389 Tri Axle Lift Steerable Axle #2</b>	20,000 lbs.	12,000 lbs.	Michelin X One Line Energy Super Single 10,200 lbs. Max. Load	24.5"
<b>Peterbilt 389 Tri Axle Drive Front Axle #3</b>	23,000 lbs.	17,000 lbs.	Michelin X Multi D 295 Duals 7,390 lbs. Max. Load	24.5"
<b>Peterbilt 389 Tri Axle Drive Rear Axle #4</b>	23,000 lbs.	17,000 lbs.	Michelin X Multi D 295 Duals 7,390 lbs. Max. Load	24.5"
<b>XL Specialized 3 Axle Jeep #5 Tridem Axle 1st of 3</b>	25,000 lbs.	17,000 lbs.	Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load	22.5"
<b>XL Specialized 3 Axle Jeep #6 Tridem Axle 2nd of 3</b>	25,000 lbs.	17,000 lbs.	Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load	22.5"
<b>XL Specialized 3 Axle Jeep #7 Tridem Axle 3rd of 3</b>	25,000 lbs.	17,000 lbs.	Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load	22.5"
<b>XL Specialized 3 Axle 85-Ton Lowboy Steerable @ 28 Degrees #8 Tridem Axle 1st of 3</b>	25,000 lbs.	17,000 lbs.	Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load	22.5"
<b>XL Specialized 3 Axle 85-Ton Lowboy Steerable @ 28 Degrees #9 Tridem Axle</b>	25,000 lbs.	17,000 lbs.	Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load	22.5"

	<b>MANUFACTURER RATING</b>	<b>FEDERAL LEGAL AXLE RATING</b>	<b>TIRE TYPE</b>	<b>TIRE SIZE</b>
<i>2nd of 3</i>				
<b>XL Specialized 3 Axle 85-Ton Lowboy Steerable @ 28 Degrees #10 Tridem Axle 3rd of 3</b>	<i>25,000 lbs.</i>	<i>17,000 lbs.</i>	<i>Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load</i>	<i>22.5"</i>
<b>XL Specialized 3 Axle East Coast Booster #11 Tridem Axle 1st of 3</b>	<i>25,000 lbs.</i>	<i>17,000 lbs.</i>	<i>Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load</i>	<i>22.5"</i>
<b>XL Specialized 3 Axle East Coast Booster #12 Tridem Axle 2nd of 3</b>	<i>25,000 lbs.</i>	<i>17,000 lbs.</i>	<i>Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load</i>	<i>22.5"</i>
<b>XL Specialized 3 Axle East Coast Booster #13 Tridem Axle 3rd of 3</b>	<i>25,000 lbs.</i>	<i>17,000 lbs.</i>	<i>Michelin X Multi Z - 275 Duals 6,940 lbs. Max. Load</i>	<i>22.5"</i>

	<b>AXLE SPACING (Feet)</b>	<b>AXLE CLASSIFICATION (DOT Requirements)</b>	<b>FEDERAL BRIDGE WEIGHT FORMULA</b>	<b>NORTH CAROLINA STATE POLICE COMMERCIAL DIVISION PERMIT REGULATIONS</b>
<b>Peterbilt 389 Tri Axle Steer Axle #1</b>	<i>N/a</i>	<i>Single</i>	<i>N/a</i>	<i>20,000 lbs. Single - Steer</i>
<b>Peterbilt 389 Tri Axle Lift Steerable Axle #2</b>	<i>22.5'</i>	<i>1st of Tridem</i>	<i>N/a</i>	<i>20,000 lbs. (Tridem - 60,000 lbs.) 1st of 3</i>
<b>Peterbilt 389 Tri Axle Drive Front Axle #3</b>	<i>4.5'</i>	<i>2nd of Tridem</i>	<i>61,500 lbs. 29' Spacing (USDOT 4-AXLES)</i>	<i>20,000 lbs. (Tridem - 60,000 lbs.) 2nd of 3</i>
<b>Peterbilt 389 Tri Axle</b>	<i>4.5'</i>	<i>3rd of Tridem</i>	<i>N/a</i>	<i>20,000 lbs.</i>

<b>Drive Rear Axle #4</b>				(Tridem - 60,000 lbs.) 3rd of 3
<b>XL Specialized 3 Axle Jeep #5 Tridem Axle 1st of 3</b>	19.0'	Dual	N/a	20,000 lbs. (1st of 3 Tri Axle) 60,000 lbs.
<b>XL Specialized 3 Axle Jeep #6 Tridem Axle 2nd of 3</b>	4.5'	Dual	N/a	20,000 lbs. (2nd of 3 Tri Axle) 60,000 lbs.
<b>XL Specialized 3 Axle Jeep #7 Tridem Axle 3rd of 3</b>	4.5'	Dual	N/a	20,000 lbs. (3rd of 3 Tri Axle) 60,000 lbs.
<b>XL Specialized 3 Axle 85-Ton Lowboy Steerable @ 28 Degrees #8 Tridem Axle 1st of 3</b>	43'	Dual	68,000 lbs. 19' Spacing (USDOT 3-AXLES)	20,000 lbs. (1st of 3 Tri Axle) 60,000 lbs.
<b>XL Specialized 3 Axle 85-Ton Lowboy Steerable @ 28 Degrees #9 Tridem Axle 2nd of 3</b>	4.5	Dual	N/a	20,000 lbs. (2nd of 3 Tri Axle) 60,000 lbs.
<b>XL Specialized 3 Axle 85-Ton Lowboy Steerable @ 28 Degrees #10 Tridem Axle 3rd of 3</b>	4.5'	Dual	N/a	20,000 lbs. (3rd of 3 Tri Axle) 60,000 lbs.
<b>XL Specialized 3 Axle East Coast Booster #11 Tridem Axle 1st of 3</b>	21'	Dual	80,500 lbs. 43' Spacing (USDOT 3-AXLES)	20,000 lbs. (1st of 3 Tri Axle) 60,000 lbs.
<b>XL Specialized 3 Axle East Coast Booster #12 Tridem Axle 2nd of 3</b>	4.5	Dual	N/a	20,000 lbs. (2nd of 3 Tri Axle) 60,000 lbs.
<b>XL Specialized 3 Axle East Coast Booster #13 Tridem Axle</b>	4.5'	Dual	67,000 lbs. 19' Spacing (USDOT 3-AXLES)	20,000 lbs. (3rd of 3 Tri Axle) 60,000 lbs.

<b>TRACTOR (GVWR)</b>	<b>TRAILER (GVWR)</b>	<b>GROSS COMBINATION VEHICLE WEIGHT RATING</b>	<b>TRAILER SHIPMENT WEIGHT CAPACITY</b>	<b>TRACTOR &amp; TRAILER MANUFACTURER WEIGHT CAPACITY</b>
62,500 lbs. GVWR	223,000 lbs. GVWR	248,000 lbs. GCVWR	168,000 lbs.	411,000 lbs. Manufacturing Weight Rating
25,000 lbs. Tare Weight	55,000 lbs. Tare Weight	80,000 lbs. Tare Weight		331,000 lbs. Manufacturing Shipment Weight Rating

**2024 XL SPECIALIZED 3+3+3 85-TON 13-AXLE 10' WIDE, 30'  
DECK MODULAR (10' Insert) LOWBOY TRAILER**

1. **TOTAL SPECIFICATIONS (Gross Vehicle Weight Rating)**
2. **Jeep Kingpin to Landing Gear (Swing Radius):...108" (9')**
3. **Jeep Length:.....371" (30.9')**
4. **Jeep Width:.....102" (8.5')**
5. **Gooseneck Kingpin to End of Jeep:.....269" (22.4')**
6. **Kingpin Setting:.....16" (1.3')**
7. **Lowboy Length Specs (w/Flip Neck):.....896" (74.6')**
  - a. **Width:.....120" (10')**
  - b. **Deck Height:.....24" (12')**
8. **Lowboy Specs (w/o Flip Neck):.....797" (66.4')**
  - a. **Width:.....120" (10')**
  - b. **Deck Height:.....24" (12')**
9. **Belly Deck Length:.....336" (28')**
10. **Belly Deck Ground Clearance:.....6" (0.5')**
11. **Rear Deck Length:.....278" (23.1')**
12. **Loaded 5th Wheel Height:**
  - a. **3-Axle Jeep:.....49" (4.0')**
  - b. **Lowboy:.....50" (4.2')**
13. **13- Axle Lowboy Trailer Tare Weight:.....55,000 lbs. (27.5 Tons)**
14. **Total Length:**
  - a. **Tractor:.....440" (36.7')**
  - b. **Jeep:.....371" (31')**

- c. Lowboy:.....896" (74.7')
- d. Booster:.....214" (17.8')
- e. Desired Total:.....1,668" (139')

**15. Gooseneck Ride Height Adjustments: .....7-Ride Height Adjustments**

- a. 28 Degrees Gooseneck Approach Angle Max
- b. 4.6' Max. Ride Height
- c. Length (from gooseneck) - 614" (51.2)' To rear of Trailer
- d. Rear of Belly Deck (278" from Rear of Trailer)
  - i. Rear of Belly Deck Ground Clearance 1st Travel Height:.....9.8"
  - ii. Rear of Belly Deck Ground Clearance 2nd Travel Height:.....13.6"
  - iii. Rear of Belly Deck Ground Clearance 3rd Travel Height:.....17.4
  - iv. Rear of Belly Deck Ground Clearance 4th Travel Height:.....21.2"
  - v. Rear of Belly Deck Ground Clearance 5th Travel Height:.....25"
  - vi. Rear of Belly Deck Ground Clearance 6th Travel Height:.....28.8"
  - vii. Rear of Belly Deck Ground Clearance 7th Travel Height:.....32.6"
  - viii. Max. Railroad Crossing or Crown in the Road Capability:.....7" per 1' Length
  - ix. Max. Length Wood for Ramp:.....4" x 10" x 16'
  - x. # of Ramps Required:.....4 Total
  - xi. Ramps Angle from 0" to 4" Height:.....3'
  - xii. Ramps Approach Angle:.....26 Degrees
  - xiii. Max. Railroad Crossing or Crown with Wood Ramps:.....1.25" per 1' Length

**16. Wheelbase Spacing**

- a. Last Drive to Middle Axle Jeep:.....19' Spacing (66,000 lbs.)
- b. Last Axle Jeep to Middle Axle Lowboy:.....43' Spacing (80,000 lbs.)
- c. Last Axle Lowboy to Middle Axle Jeep:.....21' Spacing (67,000 lbs.)

**17. Trailer GVWR (13-Axles).....213,000 lbs. (106.5-Tons)**

**18. Tare Weight w/Peterbilt 389 Tri Axle (Weight Preferred).....80,000 lbs. (40-Tons)**

**19. Belly Section Specifications.....28' Length x 10' Width x 24" Height**

- a. **Max. Shipment Weight Allowed With a Permit:**
  - i. Max. Weight: .....158,000 lbs. ( 79-Tons)
- b. **Max. Permit Shipment Cubic Inches of Space (14' Height)**
  - i. Max Space Lowboy Trailer:.....5,806,080 Cu. Inches ( 3,360 Cu. Feet)
- c. **Max. Permit Legal Height Shipment Cubic Inches Space (13'6" Height):**
  - i. Max. Space on Lowboy Trailer.....5,564,160 Cu. Inches ( 3,220 Cu. Feet)
- d. **Max. Shipment Weight Per Cubic Inch Permit**
  - i. 14' Height on Lowboy:....0.03 lbs. Per Cubic Inch
  - ii. 13'6" Height on Lowboy:....0.03 lbs. Per Cubic Inch
- e. **Max. Permit Shipment Weight Per Square Inch:**
  - i. Max. Space on Lowboy:.....40,320 Sq. Inch
  - ii. Max. Weight Per Square Inch:.....3.9 lbs. Per Sq. Inch
- f. **Max. Shipment Height Per Inch :**

- i. Permit 14' Height: .....1,097 lbs. Per Inch*
- ii. Legal 13'6" Height:.....1,145 lbs. Per Inch*