



American Chassis Depot

# 20' SL TANDEM *CONTAINER CHASSIS*



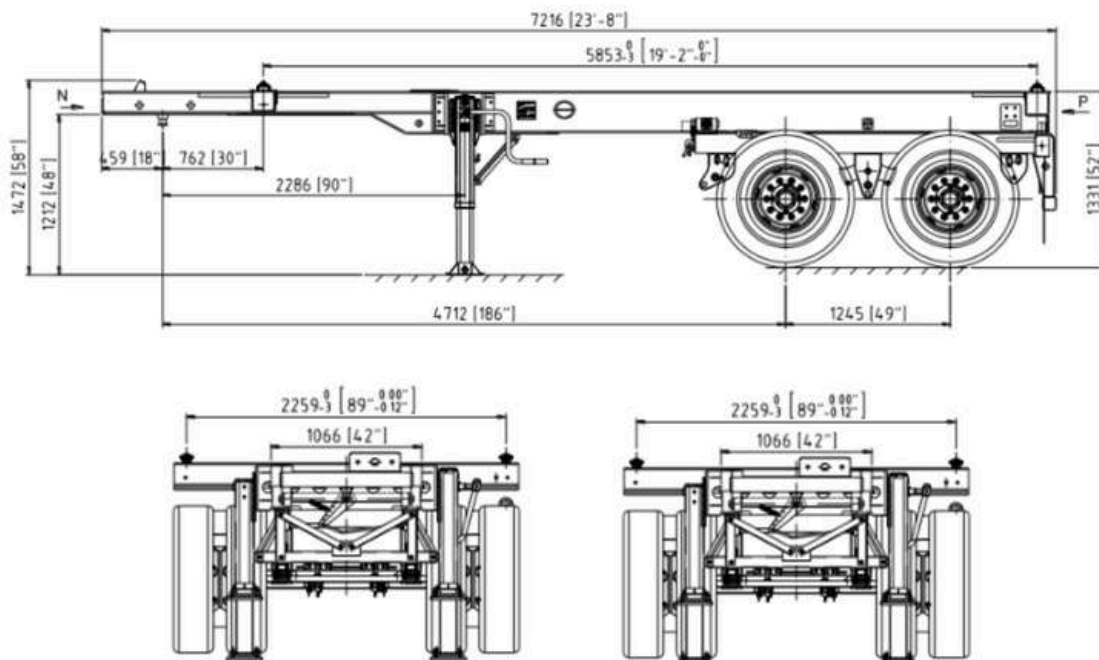
4811 N McCarty St Suite C, Houston, TX 77013



## TECHNICAL SPECIFICATIONS

<b>Overall Length</b>	23'-8" or 27'-8" (extend)
<b>Overall Width</b>	96"
<b>Overall Height</b>	59"
<b>Fifth Wheel Height</b>	48±1"
<b>Rear Deck Height</b>	52±1"
<b>Kingpin Location</b>	30" (From the center of the front bolster)
<b>Landing Gear Location</b>	190" (From the kingpin center)
<b>Tandem Location</b>	54" (From rear face of rear bolster to rear axle center when retracted)
<b>Axle Spread</b>	49"
<b>Tare Weight</b>	6,900 lbs ± 2%
<b>Payload</b>	67,200 lbs (30,480kgs)

This chassis is designed for transporting a 20' ISO container  
This chassis meets all DOT, AAR, ANSI, TOFC, FMVSS, SAE and TTMA specifications







## STEEL FRAME & COMPONENTS

**1. Main Beam** - W12@19lb/ft hot-rolled H-beam, ASTM A572 Grade 50 or equivalent

**2. Cross Member** - 3/16" thick x 3" wide x 9" deep channel with profiled bar type diagonal brace.

**3. Upper Coupler** - 5/16" pick up plate with JOST 2" diameter square type king pin per SAE standard, 380-420 HB, with 2" water drain holes, design to be integrated with main frame through welding.

**4. Upper Coupler Rails** - Fabricated steel

**5. Front Bolster** - A572 grade 50 steel U form channel 7" wide x 6" high x 5/16" thick open section. 3/8" x 8" top plate

**6. Rear Bolster** - A572 grade 50 steel U form channel 7" wide x 7" high x 5/16" thick open section. 3/8" x 8" top plate

**7. Sliding Suspension Frame** - Rectangular tubing 6"x 4"x 5/16", ASTM A572 Grade 50 or equivalent. Easily operated self-locating and self-locking spring loaded pin mechanism is used to lock the frame.

**8. Rear Bumper** - 4"x 4" square tube step with taper "H" section vertical member. Extending from rear bolster within envelope of ICC Bar is welded to uprights and main beam.

**9. License Plate Bracket** - Plate is to contain rear cluster lights, rear fleet number & license plate.

**10. Twist Lock** - TOCA 905-130-00-90-LH/RH

**11. Landing Gear** - AXN FW32E00J with 60,000 lbs capacity, 2-speed 19" travel with low "T" shoes. Crank handle is located on the driver's side of the chassis. Pre-painted BLACK color. Landing gear brackets are bolted on the main beam as the layout.

**12. Suspension** - AXN mechanical tandem suspension, overslung configuration with low-arch 3-leaf spring (356-00). Pre-painted BLACK color.

**13. Wheels** - JINGU 22.5 x 8.25 10-stud hub-piloted wheels with 5 hand holes and with TR572 valve stem. Pre-painted WHITE color.

**14. Axles** - AXN 5" round axles with 22500lb capacity; 71.5" track, Q+ 16.5"x 7" 4707Q brake. Pre-painted BLACK color. 1.5-28 spline, HALDEX 5.5" automatic slack adjusters. Reserved PSI interface; Heat Sensing Labels. Axle Installation orientation: 270 degrees FRONT, chambers UP (1 abs ready front, 1 non abs rear per unit).

**15. Wheel End** - AXN Hub & Drum Assembly P/N H30-0647BFNTZ/H30-0647BFNZ. STEMCO 358-4009 Integrated Sentinel Grease Hub Cap. STEMCO seals and bearings. Spindle nut: STEMCO Pro-Torq P/N 447-4743. (5-year warranty wheelend).

**16. Lubricant** - Petro Canada precision synthetic EP 00 semi fluid grease lubricant.

**17. Tires** - WESTLAKE 11R22.5-14PR tubeless type.

**18. Brake System** - SEALCO 110800 spring brake priority valve system and WABCO 2S/1M ABS system. PHILLIPS glad hand 12-0061 and 12-0081, 3/8" blue air tube for control and 3/8" red for supply. HALDEX Goldseal T30/30, 2.5" stroke brake chamber. FUWA air tanks.

**19. Electrical** - PHILLIPS mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty). Optronics LED lights (amp connections for S/T/T lights and 180 bullets for others). The theft proof design used for 4" LED lighting.

**20. Electrical Receptacle** - PHILLIPS 15-7292 zinc alloy material with solid pins.

**21. Document Holder** - PHILLIPS 16-802. Installed on roadside near crank handle.

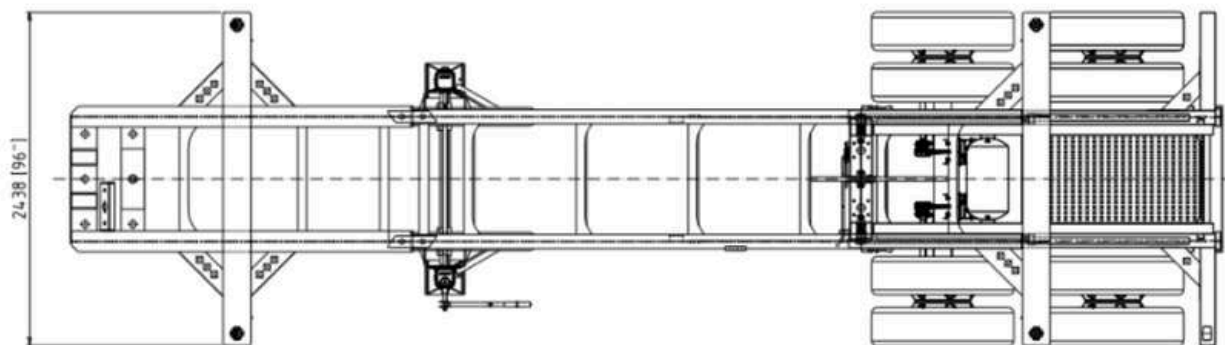
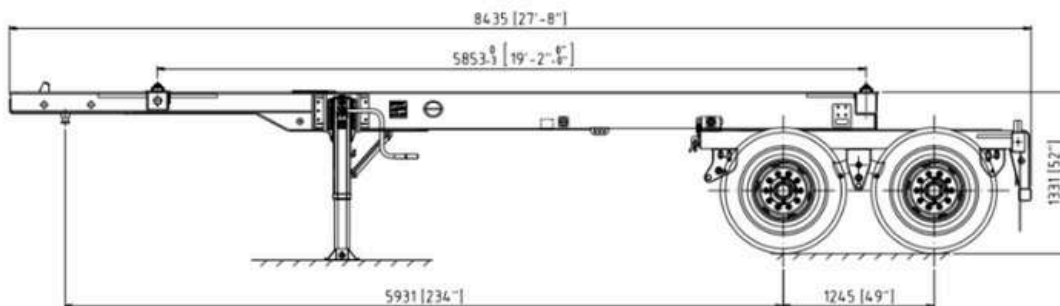
**22. Conspicuity Tape** - "3M" brand. Installed per federal regulations.

**23. Painting** - Abrasive blast of all metal surfaces - not less than SA-2.5 to achieve clean bare steel. Surface will be coated with electrophoresis primer and powder topcoat. Color BLACK and at the corner painted YELLOW color. Total thickness not less than 80µm after dry membrane. Coating supplier: PPG (7-year warranty).



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