



American Chassis Depot

# **40/45' EXTENDABLE CONTAINER CHASSIS**



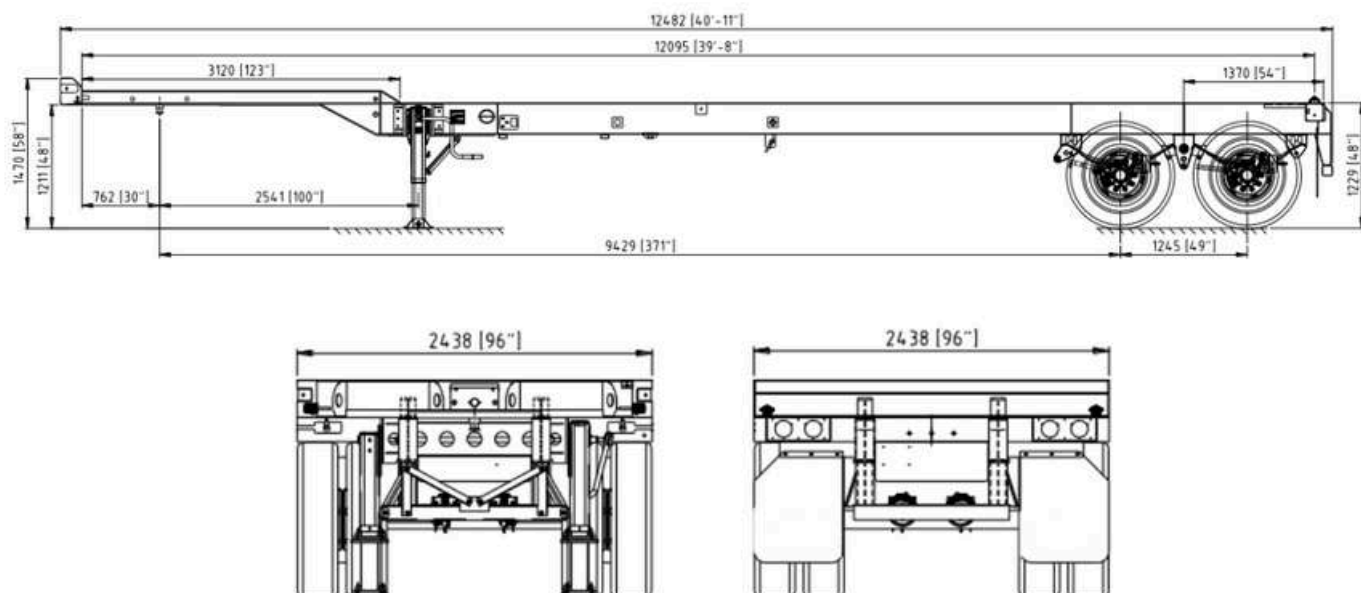
4811 N McCarty St Suite C, Houston, TX 77013



## TECHNICAL SPECIFICATIONS

<b>Overall Length</b>	40'-11" retracted or 45'-11" extended
<b>Overall Width</b>	96"
<b>Overall Height</b>	58"
<b>Fifth Wheel Height</b>	48 ± 1"
<b>Rear Deck Height</b>	48 ± 1"
<b>Kingpin Location</b>	30" (From rear face of front bolster)
<b>Landing Gear Location</b>	100" (From the kingpin center)
<b>Tandem Location</b>	54" (From rear face of rear bolster)
<b>Axle Spread</b>	49"
<b>Tare Weight</b>	7,400 lbs±2%
<b>Payload</b>	67,200 lbs (30,480kgs)

This chassis is designed for transporting a 40' or a 45' 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. GN Member** - 5-1/4" deep x 4" wide hot-rolled H-beam, ASTM A572 Grade 50 or equivalent with 1/2" thick flanges and 1/4" thick web

**4. Upper Coupler** - 1/4" 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.

**5. Front Bolster** - 8" wide x 10" high x 1/4" thick open section, with 3-1/2" chamfer in full length for gathering container in operation. 7-way receptacle and glad hands are in the center of front bolster.

Casted corner caps (TOCA 905-940-000-RS/CS).

**6. Rear Bolster** - 8" wide x 3/8" thick top plate with 7" wide x 6-5/8" deep x 1/4" thick "U" type bottom channel.

**7. Rear Bumper** - 4" x 4" square tube step with taper "H" section vertical member. Bar is welded to uprights and main beam.

**8. License Plate Bracket** - Extending from rear bolster within envelope of ICC bumper. Plate is to contain rear fleet number & license plate

**9. Frame Extension** - 7-5/8" deep fabricated I-beam with 5-1/2"x3/8" flanges and 1/4" thick web. Easily operated self-locating and self-locking spring loaded pin mechanism is used to lock the frame.

**10. Front Locking Pin** - TOCA 905-910-000-LH/RH

**11. Rear Twist Lock** - TOCA 905-130-000-90-LH/RH

**12. Landing Gear** - Axn FW32E00J with 60,000 lbs capacity, 2-speed 17" 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.

**13. Suspension** - Axn mechanical tandem suspension, overslung configuration with high-arch 3-leaf spring (354-00). Pre-painted black color

**14. Axles** - AXN 5" round axles with 22500lb capacity; 71.5" track, Q+ 16.5"x7" 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. 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

**18. Tires** - Westlake 11R22.5-14PR tubeless type

**19. Brake System** - Sealco 110800 spring brake priority valve system and WABCO 2S/1M ABS system

**20. 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.

**21. Electrical Receptacle** - Phillips 15-7292 zinc alloy material with solid pins

**22. Document Holder** - Phillips 16-802. Installed on roadside near crank handle

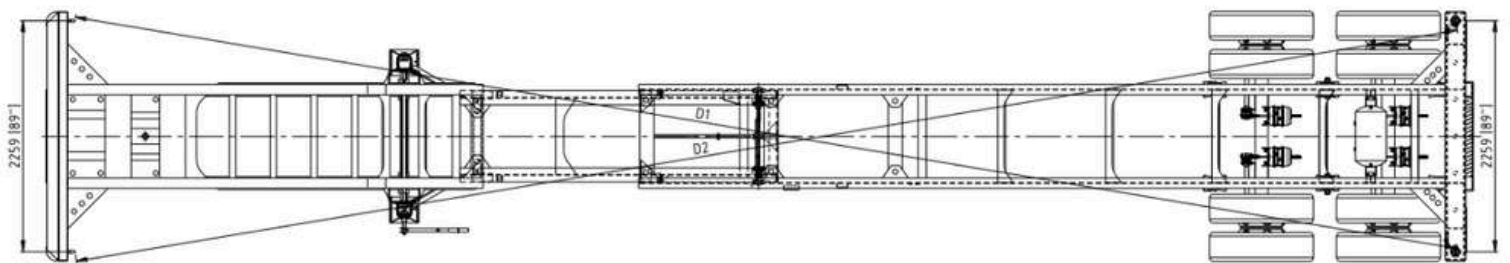
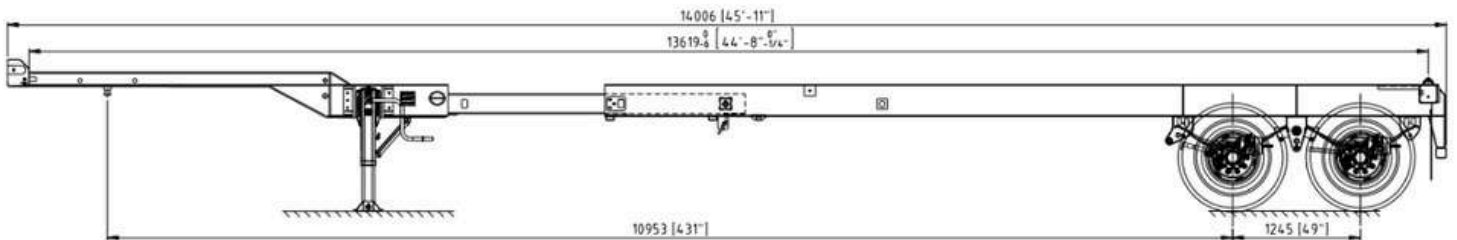
**23. Conspicuity Tape** - 3M" brand. Installed per federal regulations

**24. 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 80 µm after dry membrane. Coating supplier: PPG (7-year warranty)



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