

40' GN Specification

1. Model: CTSV/2AS4004IUS

This chassis is designed for transporting a 40' ISO container
This chassis meets all DOT, AAR, ANSI, TOFC, FMVSS, SAE and TTMA specifications.

2. General

Overall Length:	40'-8" (Excluding dock bumpers)
Overall Width:	96"
Overall Height:	58"
Fifth Wheel Height:	48 ± 1"
Rear Deck Height	48 ± 1"
Kingpin Location:	30" (From the rear face of the front bolster)
Landing Gear Location:	100" (From the kingpin center)
Axle Spread:	49"
Tare Weight:	6,600 lbs ± 2%
Payload:	67,200 lbs (30,480kgs)

3. Steel Structure & Components

Main beam:	W12@19lb/ft hot-rolled H-beam, ASTM A572 Grade 50 or equivalent
Cross member:	3/16" thick x 3" wide x 9" deep channel with profiled bar type diagonal brace.
GN member:	5" deep x 4" wide fabricated H-beam, 1/2" thick flanges and 1/4" thick web.
Upper Coupler:	1/4" pick up plate with JOST 2" diameter square type king pin per SAE standard.
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 905-940-000RS/CS).
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.
Rear Bumper:	4" x 4" square tube step with taper "H" section vertical member. Bar is welded to uprights and main beam.
License plate bracket	Extending from rear bolster within envelope of ICC bumper. Plate is to contain rear cluster lights, rear fleet number & license plate.
Front Locking pin:	TOCA 905-910-000-LH/RH
Rear twist Lock:	TOCA 905-123-000-90-LH/RH
Landing Gear:	JOST A440 Magnum with solid axle shoes; 62,500lbs capacity, 2-speed 17" travel with Low profile sand shoes. Crank handle is located on the driver's side of the chassis. (10-year warranty). Pre-painted BLUE RAL5010 color.
Suspension:	AXN mechanical tandem suspension, overslung configuration with high-arch 3-leaf spring (354-00)
Axles:	AXN 5" round axles with 22500lb capacity; 71.5" track, Q+ 16.5"X7" 4707Q brake. (BLUE RAL5010 color) 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).
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 Zip-Torq P/N 400-4743. (5-year warranty wheelend).
Lubricant:	CITGO SynDurance 460 NLGI 00 grease lubricant.
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.
Tires:	WESTLAKE 11R22.5-14PR tubeless type SEALCO 110800 spring brake priority valve system and WABCO 2S/1M ABS system
Brake 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. 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.
Electrical:	Meets or exceeds DOT and SAE standards. PHILLIPS 16-724 aluminum alloy material
Electrical Receptacle	PHILLIPS 16-802. Installed on roadside near crank handle.
Document Holder:	"3M" brand. Installed per federal regulations
Conspicuity tape:	Abrasive blast of all metal surfaces – not less than SA-2.5 to achieve clean bare steel.
Painting:	Surface will be coated with electrophoresis primer and true acrylic aliphatic urethane topcoat. Color BLUE RAL5010 , Total thickness not less than 80µm after dry membrane. Coating supplier: NOROO (7-year warranty) Customer configuration (includes Decal, layout, VIN, nameplate)
Marking:	NONE
Hubodometer:	NONE
Tire Inflation system:	NONE
Mud flaps:	

4. Layout

