



BULL CHASSIS

20' SL TANDER



SPECIFICATIONS

1.- OBJECTIVE

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

2.- GENERAL

Total length	23'-8" or 27'-8" (extend)
Total width	96"
Height of fifth wheel	48 ± 1"
Rear Deck Height	52 ± 1"
Location of kingpin	30" (From the center of the front bolster)
Location of landing gear	90" (From the kingpin center)
Location of tandem	54" (From rear face of rear bolster to rear axle center when retracted)
Axle Spread	49"
Tare weight	6,900 lbs±2%
Payload	67,200 lbs (30,480kgs)

3.- STRUCTURE AND COMPONENTS

Main Beam	W12@19lb/ft hot-rolled H-beam, ASTM A572 Grade 50 or equivalent
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.
Cross Member	3/16" thick x 3" wide x 9" deep channel with profiled bar type diagonal brace.
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
Rear Bomper	4" x 4" square tube step with taper "H" section vertical member. Bar is welded to uprights and main beam.
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.
Twist Lock	TOCA 905-130-00-90-LH/RH
Suspension	AXN mechanical tandem suspension, overslung configuration with low-arch 3-leaf spring (356-00). Pre-painted BLACK color.
Axle	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).
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).
Lubricant	Petro Canada precision synthetic EP 00 semi fluid 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 BLACK RAL9005 color
Tires	WESTLAKE 11R22.5-14PR tubeless type.
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.
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.
Electrical Receptacle	PHILLIPS 15-7292 zinc alloy material with solid pins.
Paint	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).
Bull GPS	Real-time tracking, geofencing, configurable alerts, 4G LTE and Bluetooth connectivity, sensor equipment, and comprehensive reports

· CHASSIS

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· CONSPICUITY TAPE:

"3M" brand. Installed per federal regulations



· BULL GPS

Real-time tracking, geofencing, configurable alerts, 4G LTE and Bluetooth connectivity, sensor equipment, and comprehensive reports.



· DOCUMENT HOLDER:

PHILLIPS 16-802. Installed on roadside near crank handle.



· UPPER COUPLER RAILS::

Fabricated steel





· LICENSE PLATE BRACKET:

Extending from rear bolster within envelope of ICC bumper. Plate is to contain rear cluster lights, rear fleet number & license plate.



· 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.



· PAINTING

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WORKING WITH THE BEST



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