



BULL CHASSIS

20/40/45' EXTENDABLE TRIAXLE CONTAINER CHASSIS



SPECIFICATIONS

1.- OBJECTIVE

This chassis is designed for transporting one ISO 20', one ISO 40' or one ISO 45' containers. This chassis meets all DOT, AAR, ANSI, TOFC, FMVSS, SAE and TTMA specifications.

2.- GENERAL

Total length	36' 10 15/16" retracted or 45' 6 3/16" extended
Total width	96" (over tire 102")
Max Rear Height	47 ± 1"
Rear Deck Height	48 ± 1"
Location of kingpin	24" (From rear face of front bolster)
Location of landing gear	94.5" (From centerline of kingpin)
Location of tridem	25 7/8" (From rear face of rear bolster)
Axle Spread	61" + 61"
Tare weight	10,210 lbs ± 2%
Payload	49,400 lbs in 20' position; 67,200 lbs in 40' or 45' position

3.- STRUCTURE AND COMPONENTS

Main Beam	Fabricated I-beam with high strength Grade 80 steel 4" x 1/2" top flange and 4" x 25/32" bottom flange with 3/8" web.
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	Fabricated 3/16" thick channel with profiled bar type diagonal brace.
Rear Bolster	8" wide x 3/8" thick top plate with 6 7/8" wide x 8" deep x 1/4" thick "U" type bottom channel.
Rear Bomper	4" x 4" square tube step with taper "H" section vertical member with 4" wide x 3/8" thick steel flange and 1/4" thick web. Bar is welded to uprights and main beam.
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 RAL9005 color. Landing gear brackets are bolted on the main beam as the layout.
Center Twist Lock	TOCA 905-160-000
Suspension	AXN OS 61" tri-axle, overslung configuration with high-arch 3- leaf spring (354-00). Pre-painted BLACK RAL9005 color.
Axle	AXN 5" round axles with 22500lb capacity; 77.5" track, Q+ 16.5"X7" 4707Q brake with AXN R23 linings. Dust shields are provided. Pre-painted BLACK RAL9005 color. 1.5-28 spline, HALDEX 5.5" automatic slack adjusters. Axle Installation orientation: 90 degrees rear, Chambers DOWN (2 abs ready front and rear, 1 non abs mid per unit). Reserved PSI interface; Heat Sensing Labels.
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	SUNRISE 22.5 x 8.25 10-stud hub-piloted wheels with 5 hand holes and with TR572 valve stem. Pre-painted white color
Tires	SAILUN 11R22.5-16PR tubeless type, S665 tread without owner's logo
Brake System	SEALCO 110800 spring brake priority valve system, SEALCO 110580 control line valve and WABCO 4S/2M ABS system. PHILLIPS glad hand 12-13807 and 12-13607, 3/8" blue air tube for control and 1/2" 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

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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.



· REAR TWIST LOCK:

TOCA 905-130-000-90-LH/RH





· FRONT LOCKING PIN:

TOCA 905-910-000-LH/RH



· 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 located in the center of front bolster. Casted corner caps (TOCA 905-940-000-RS/CS)..



· CENTER BOLSTER:

5-7/8" wide x 3/8" thick top plate with 5" wide x 5" deep x 5/16" thick "U" type bottom channel. Grade 80 steel.



WORKING WITH THE BEST



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