



BULL CHASSIS

40ft GOOSENECK LIGHTWEIGHT



SPECIFICATIONS

1.- Objective

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

2.- GENERAL

Total Length	40'-11"
Total Width	96"
Total Height	58"
Fifth Wheel Height	48 ± 1"
Rear Platform Height	48 ± 1"
Kingpin Location	8" (From front bolster rear face)
Landing Gear Location	110" (From kingpin center)
Tandem Location	52" (From rear bolster rear face)
Tare Weight	5,250 lbs ±2%
Payload	67,200 lbs (30,480kgs)
Axle Spacing	49"

3.- Structure and Components

Main Beam	Fabrication H-beam with a depth of 13.75" and a width of 4", with a 5/16" thick grade 100 steel flange and a 1/4" thick grade 50 steel cross section
Crossmember	3/16" thick x 3" wide x 9" deep channel with a profiled bar-type diagonal reinforcement
Gooseneck Member	Fabrication H-beam with a depth of 5-1/4" and a width of 4", with 5/16" thick flanges and a 1/4" thick cross section
Upper Coupler	1/4" pickup plate with a 2" square JOST kingpin according to SAE standard, 380-420 HB, with 2 water drain holes of 2", designed for integration with the main frame through welding
Front Reinforcement	8" wide x 10" high x 3/16" thick open section, made of grade 100 steel, with a 3-1/2" chamfer along its entire length for container pick-up during operation. 7-way receptacle and glad hand connections in the center of the front bolster. Bent corner caps
Rear Reinforcement	8" wide x 5/16" thick top plate with a U-shaped channel of 7" wide x 6-5/8" deep x 3/16" thick made of grade 100 steel
Rear Bumper	4" x 4" square tube step with an angled "H" section vertical member. The bar is welded to the posts and the main crossmember.
Rear Torsion Lock	TOCA 905-130-000-90-LH/RH
Landing Gear	SAF-HOLLAND ATLAS 65 with a capacity of 65,000 lbs, 2-speed, and a 17-inch travel with low profile sand shoes and solid shaft. Crank handle is on the driver's side of the chassis. Pre-painted in BLACK
Suspensión	ight-duty SAF-HOLLAND tandem mechanical suspension with a single low arch leaf (363-00). Pre-painted in BLACK
Axle	Round AXN axles with a capacity of 22,500 lbs; 71.5" track width, Q+ brake 16.5"X7" 4707Q. Pre-painted in BLACK
Wheels	22.5 x 8.25 piloted aluminum wheels POMLEAD
Tires	Tubeless WESTLAKE 255/70R22.5-16PR
Electrical	GROTE molded seal wiring, with reserved PSI and GPS connector (10-year warranty). GROTE LED lights (AMP connections for S/T/T lights; PL-10 for Marker/ID/ABS lights and .180 bullets for license light). Anti-theft design used for 4" LED lighting
Electrical Receptacle	Zinc alloy GROTE with solid pins
Paint	Abrasive blast cleaning of all metal surfaces, with a minimum of SA-2.5 to achieve clean and bare steel. Surface will be coated with electrocoating primer and a topcoat of true acrylic aliphatic urethane, color YELLOW RAL1004 and corners painted BLACK. Coating supplier: NOROO (7-year warranty)
Bull GPS	Real-time tracking, geofencing, configurable alerts, 4G LTE and Bluetooth connectivity, sensor equipment, and comprehensive reports

· **GOOSENECK COMPONENT**

Fabrication H-beam with a depth of 5-1/4" and a width of 4", with 5/16" thick flanges and a 1/4" thick cross section.



· **PAINT**

The surface will be coated with electrocoating primer and a topcoat of true acrylic aliphatic urethane, YELLOW RAL1004 color, and corners painted BLACK.



· **BULL GPS**

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



· **CROSSMEMBER**

3/16" thick x 3" wide x 9" deep channel with a profiled bar-type diagonal reinforcement



· **LANDING GEAR**

SAF-HOLLAND ATLAS 65 with a capacity of 65,000 lbs, 2-speed, and a 17-inch travel with low profile sand shoes and solid shaft.





· **SUSPENSION SYSTEM**

Lightweight SAF-HOLLAND tandem mechanical suspension with a single low arch leaf (363-00). Pre-painted in BLACK color.



· **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 brake chamber with a 2.5" stroke



· **ELECTRICAL SYSTEM**

Wiring with GROTE molded seal, with reserved PSI connection and GPS (10-year warranty). GROTE LED lights (amp connections for S/T/T lights; PL-10 for marker/ID/ABS lights, and .180 bullets for license plate light).



WORKING WITH THE BEST



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